

Section XVIII

Optical, Photographic, Cinematographic, Measuring, Checking, Precision, Medical or Surgical  
Instruments and Apparatus; Clocks and Watches; Musical Instruments;  
Parts and Accessories Thereof

## Section XVIII – 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 vulcanized 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);
  - (g). Pumps incorporating measuring devices, of heading 8413; weight-operated counting or checking machinery, and 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, 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 sensitized 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 and radio remote control apparatus (heading 8526); connectors for optical fibers, optical fiber bundles and cables (heading 8536); numerical control apparatus (heading 8537); sealed beam lamp units of heading 8539; optical fiber cables of heading 8544;

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- (ij). Searchlights and spotlights of heading 9405;
  - (k). Articles of chapter 95;
  - (l). Capacity measures, which are to be classified according to their constituent material;  
or
  - (m). 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 of 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.

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6. For the purposes of heading 9021, the expression "orthopedic appliances" means appliances for:
  - (a). Preventing or correcting bodily deformities; or
  - (b). Supporting or holding parts of the body following an illness, operations or injury.

Orthopedic appliances include footwear and special insoles designed to correct orthopedic conditions, provided that they are either (1) made to measure or (2) mass-produced, entered 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, stabilized against disturbances, by constantly or periodically measuring its actual value.
  - (b). Automatic regulators of electrical quantities, and instruments or apparatus for automatically controlling non-electrical quantities the operation of which depends on a 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, stabilized against disturbances, by constantly or periodically measuring its actual value.

### Statistical Notes

1. For statistical reporting purposes under subheading 9001.10, the unit of quantity "fib m" (fiber meters), as it pertains to optical fiber bundles and cables, is determined by multiplying the number of individual fibers contained therein by the length in meters.
2. For the purpose of headings 9001 and 9002, the term "optically worked" refers to glass the surface of which has been ground or polished in order to produce the required optical properties.
3. For the purpose of this chapter, the term "electrical" when used in reference to instruments, appliances, apparatus and machines, refers to those articles the operation of which depends on an electrical phenomenon which varies according to the factor to be ascertained.
4. For the purpose of this chapter, the terms "optical appliances" and "optical instruments" refer only to those appliances and instruments which incorporate one or more optical elements, but do not include any appliances or instruments in which the incorporated optical elements are solely for viewing a scale or for some other subsidiary purpose.

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9001	Optical fibers and optical fiber bundles; optical fiber cables other than those of heading 8544; sheets and plates of polarizing material; lenses (including contact lenses), prisms, mirrors and other optical elements, of any material, unmounted, other than such elements of glass not optically worked:	
9001.10.0000	Optical fibers, optical fiber bundles and cables .....	Fib m
9001.20.0000	Sheets and plates of polarizing material .....	kg
9001.30.0000	Contact lenses .....	No.
9001.40.0000	Spectacle lenses of glass .....	Prs
9001.50.0000	Spectacle lenses of other materials .....	Prs
9001.90	Other:	
9001.90.1000	Lenses, prisms, and mirrors .....	X
9001.90.7000	Other .....	X
9002	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; parts and accessories thereof:	
	Objective lenses and parts and accessories thereof:	
9002.11	For cameras, projectors or photographic enlargers or reducers:	
9002.11.4000	Projection .....	No.
9002.11.6000	Other: Mounted lenses suitable for use in, and exported separately from, closed-circuit television cameras, with or without attached electrical or non-electrical closed-circuit television camera connectors, and with or without attached motors .....	No.
9002.11.9000	Other .....	X
9002.19.0000	Other .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9002 (con.)	Lenses, prisms, mirrors and other optical elements, of any material, mounted, being parts of or fittings etc. – (con.)	
9002.20	Filters and parts and accessories thereof:	
9002.20.4000	Photographic .....	X
9002.20.8000	Other .....	X
9002.90.0000	Other .....	X
9003	Frames and mountings for spectacles, goggles or the like, and parts thereof:	
	Frames and mountings:	
9003.11.0000	Of plastics .....	Doz
9003.19.0000	Of other materials .....	Doz
9003.90.0000	Parts .....	X
9004	Spectacles, goggles and the like, corrective, protective or other:	
9004.10.0000	Sunglasses .....	Doz
9004.90.0000	Other .....	Doz
9005	Binoculars, monoculars, other optical telescopes, and mountings therefor; other astronomical instruments and mountings therefor, but not including instruments for radio–astronomy; parts and accessories thereof:	
9005.10	Binoculars:	
9005.10.0020	Prism binoculars for use with infrared light .....	No.
9005.10.0040	Other prism binoculars .....	No.
9005.10.0080	Other .....	No.
9005.80	Other instruments:	
	Optical telescopes:	
9005.80.4020	For use with infrared light .....	No.
9005.80.4040	Other .....	No.
9005.80.6000	Other .....	No.
9005.90.0000	Parts and accessories (including mountings) .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9006	Photographic (other than cinematographic) cameras; photographic flashlight apparatus and flashbulbs other than discharge lamps of heading 8539; parts and accessories thereof:	
9006.10.0000	Cameras of a kind used for preparing printing plates or cylinders .....	No.
9006.30.0000	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 .....	No.
9006.40.0000	Instant print cameras .....	No.
	Other cameras:	
9006.51.0000	With a through-the-lens viewfinder (single lens reflex (SLR)), for roll film of a width not exceeding 35 mm (1.4 inch) .....	No.
9006.52.0002	Other, for roll film of a width less than 35 mm (1.4 inch) .....	No.
9006.53.0002	Other, for roll film of a width of 35 mm (1.4 inch) .....	No.
9006.59.0002	Other .....	No.
	Photographic flashlight apparatus and flashbulbs:	
9006.61.0000	Discharge lamp ("electronic") flashlight apparatus .....	No.
9006.69	Other:	
9006.69.0110	Flashbulbs, flashcubes, and the like .....	No.
9006.69.0150	Other .....	X
	Parts and accessories:	
9006.91.0000	For cameras .....	X
9006.99.0000	Other .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9007	Cinematographic cameras and projectors, whether or not incorporating sound recording or reproducing apparatus; parts and accessories thereof:	
	Cameras:	
9007.11.0000	For film of less than 16 mm (0.6 inch) width or for double-8 mm (0.3 inch) film .....	No.
9007.19	Other:	
9007.19.0040	16 mm .....	No.
9007.19.0080	Other .....	No.
9007.20	Projectors:	
9007.20.4050	For film of less than 16mm (0.6 inch) in width .....	No.
9007.20.8050	Other .....	No.
	Parts and accessories:	
9007.91.0000	For cameras .....	X
9007.92.0000	For projectors .....	X
9008	Image projectors, other than cinematographic; photographic (other than cinematographic) enlargers and reducers; parts and accessories thereof:	
9008.10.0000	Slide projectors .....	No.
9008.20	Microfilm, microfiche or other microform readers, whether or not capable of producing copies:	
9008.20.4000	Capable of producing copies .....	No.
9008.20.8000	Other .....	No.
9008.30.0000	Other image projectors .....	No.
9008.40.0000	Photographic (other than cinematographic) enlargers and reducers .....	No.
9008.90.0000	Parts and accessories .....	X



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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9010	Apparatus and equipment for photographic (including cinematographic) laboratories, not specified or included elsewhere in this chapter; negatoscopes; projection screens; parts and accessories thereof:	
9010.10.0000	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 .....	X
9010.50	Other apparatus and equipment for photographic (including cinematographic) laboratories; negatoscopes:	
9010.50.1000	Contact printers .....	No.
9010.50.2000	Developing tanks .....	No.
	Photographic film viewers, titlers, splicers and editors, all the foregoing and combinations thereof:	
	Articles containing an optical lens or designed to contain such a lens:	
9010.50.3000	Editors and combination editor–splicers, for cinematographic film .....	X
9010.50.4000	Other .....	X
9010.50.5000	Other .....	X
9010.50.6000	Other .....	X
9010.60.0000	Projection screens .....	No.
9010.90.0002	Parts and accessories .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9011	Compound optical microscopes, including those for photomicrography, cinephotomicrography or microprojection; parts and accessories thereof:	
9011.10.0000	Stereoscopic microscopes .....	No.
9011.20.0000	Other microscopes, for photomicrography, cinephotomicrography or microprojection .....	No.
9011.80.0000	Other microscopes .....	No.
9011.90.0000	Parts and accessories .....	X
9012	Microscopes other than optical microscopes; diffraction apparatus; parts and accessories thereof:	
9012.10.0000	Microscopes other than optical microscopes; and diffraction apparatus .....	X
9012.90.0000	Parts and accessories .....	X
9013	Liquid crystal devices not constituting articles provided for more specifically in other headings; lasers, other than laser diodes; other optical appliances and instruments, not specified or included elsewhere in this chapter; parts and accessories thereof:	
9013.10	Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of this chapter or Section XVI:	
9013.10.2000	Telescopic sights for rifles .....	No.
9013.10.4000	Other .....	No.
9013.20.0000	Lasers, other than laser diodes .....	No.
9013.80.0000	Other devices, appliances and instruments .....	X
9013.90.0000	Parts and accessories .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9014	Direction finding compasses; other navigational instruments and appliances; parts and accessories thereof:	
9014.10	Direction finding compasses:	
	Optical instruments:	
9014.10.1040	For use in civil aircraft .....	No.
9014.10.1080	Other .....	No.
	Other:	
	Gyroscopic compasses, other than electrical:	
9014.10.6040	For use in civil aircraft .....	No.
9014.10.6080	Other .....	No.
	Other:	
	Gyroscopic compasses, electrical:	
9014.10.7040	For use in civil aircraft .....	No.
9014.10.7080	Other .....	No.
	Other:	
9014.10.9040	For use in civil aircraft .....	No.
9014.10.9080	Other .....	No.
9014.20	Instruments and appliances for aeronautical or space navigation (other than compasses):	
9014.20.2000	Optical instruments and appliances .....	No.
	Other:	
9014.20.4000	Automatic pilots .....	No.
	Other:	
9014.20.6000	Electrical .....	No.
	Other:	
9014.20.8040	For use in civil aircraft .....	No.
9014.20.8080	Other .....	No.
9014.80	Other instruments and appliances:	
9014.80.2000	Ships logs and depth-sounding apparatus .....	No.
9014.80.6000	Other .....	No.
9014.90.0000	Parts and accessories .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9015	Surveying (including photogrammetrical surveying), hydro-graphic, oceanographic, hydrological, meteorological or geo-physical instruments and appliances, excluding compasses; rangefinders; parts and accessories thereof:	
9015.10.0000	Rangefinders .....	No.
9015.20.0000	Theodolites and tachymeters (tacheometers) .....	No.
9015.30.0000	Levels .....	No.
9015.40.0000	Photogrammetrical surveying instruments and appliances .....	X
9015.80	Other instruments and appliances:	
9015.80.2000	Optical instruments and appliances .....	X
	Other:	
9015.80.6000	Seismographs .....	No.
	Other:	
9015.80.8040	Geophysical instruments and appliances .....	X
9015.80.8080	Other .....	X
9015.90.0000	Parts and accessories .....	X
9016.00.0000	Balances of a sensitivity of 5 cg or better, with or without weights; parts and accessories thereof .....	X
9017	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, calipers), not specified or included elsewhere in this chapter; parts and accessories thereof:	
9017.10.0000	Drafting tables and machines, whether or not automatic .....	X
9017.20	Other drawing, marking-out or mathematical calculating instruments:	
9017.20.4000	Disc calculators, slide rules and other mathematical calculating instruments .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9017 (con.)	Drawing, marking-out or mathematical calculating instruments (for example, drafting machines, pantographs, etc. – (con.):	
9017.20 (con.)	Other drawing, marking-out or mathematical calculating instruments (con.):	
	Other:	
9017.20.8040	Hand operated input devices which transmit position data to computer processors or displays (digitizers) .....	No.
9017.20.8060	Other .....	X
9017.30	Micrometers, calipers and gauges:	
9017.30.4000	Micrometers and calipers .....	No.
9017.30.8000	Other .....	X
9017.80.0000	Other instruments .....	X
9017.90	Parts and accessories:	
9017.90.0110	Of articles of subheading 9017.10 .....	X
9017.90.0120	Of articles of subheading 9017.20.40 .....	X
9017.90.0136	Of articles of subheading 9017.20.80 .....	X
9017.90.0140	Of articles of subheading 9017.30.40 .....	X
9017.90.0150	Of articles of subheading 9017.30.80 .....	X
9017.90.0165	Other .....	X
9018	Instruments and appliances used in medical, surgical, dental or veterinary sciences, including scintigraphic apparatus, other electro-medical apparatus and sight-testing instruments; parts and accessories thereof:	
	Electro-diagnostic apparatus (including apparatus for functional exploratory examination or for checking physiological parameters); parts and accessories thereof:	
9018.11	Electrocardiographs, and parts and accessories thereof:	
9018.11.3000①	Electrocardiographs .....	No.
9018.11.8000①	Parts and accessories .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9018 (con.)	Instruments and appliances used in medical, surgical, dental or veterinary sciences, including scintigraphic etc. – (con.): Electro–diagnostic apparatus (including apparatus for functional exploratory examination or for etc. – (con.):	
9018.12.0000	Ultrasonic scanning apparatus .....	No.
9018.13.0000	Magnetic resonance imaging apparatus .....	X
9018.14.0000	Scintigraphic apparatus .....	X
9018.19	Other:	
9018.19.4000	Apparatus for functional exploratory examination, and parts and accessories thereof .....	X
9018.19.5500	Other: Patient monitoring systems .....	X
9018.19.7500	Printed circuit assemblies for parameter acquisition modules .....	X
9018.19.9530	Other: Basal metabolism and blood pressure apparatus .....	X
9018.19.9535	Electroencephalographs (EEG) and electromyographs (EMG) .....	No.
9018.19.9550	Other apparatus .....	X
9018.19.9560	Parts and accessories .....	X
9018.20.0000	Ultraviolet or infrared ray apparatus, and parts and accessories thereof .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9018 (con.)	Instruments and appliances used in medical, surgical, dental or veterinary sciences, including scintigraphic etc. – (con.):	
	Syringes, needles, catheters, cannulae and the like; parts and accessories thereof:	
9018.31	Syringes, with or without needles; parts and accessories thereof:	
	Syringes with or without their needles:	
9018.31.0040	Hypodermic .....	No.
9018.31.0080	Other .....	No.
9018.31.0090	Parts and accessories .....	X
9018.32.0000	Tubular metal needles and needles for sutures and parts and accessories thereof .....	X
	Other:	
9018.39.0030	Bougies, catheters, drains and sondes, and parts and accessories thereof .....	X
9018.39.0050	Other .....	X
	Other instruments and appliances, used in dental sciences; and parts and accessories thereof:	
9018.41.0000	Dental drill engines, whether or not combined on a single base with other dental equipment, and parts and accessories thereof .....	X
9018.49.0000	Other .....	X
9018.50.0000	Other ophthalmic instruments and appliances and, parts and accessories thereof .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9018 (con.)	Instruments and appliances used in medical, surgical, dental or veterinary sciences, including scintigraphic etc. – (con.):	
9018.90	Other instruments and appliances, and parts and accessories thereof:	
9018.90.1500	Optical instruments and appliances and parts and accessories thereof .....	X
	Other:	
9018.90.3000	Anesthetic instruments and appliances and parts and accessories thereof .....	X
9018.90.4000	Percussion hammers, stethoscopes and parts of stethoscopes .....	X
9018.90.5000	Sphygmomanometers, tensimeters and oscillometers; all the foregoing and parts and accessories thereof .....	X
	Electro–medical instruments and appliances, and parts and accessories thereof:	
9018.90.6000	Electro–surgical instruments and appliances, and parts and accessories thereof .....	X
	Other:	
9018.90.7020	Dialysis instruments and apparatus .....	X
	Other therapeutic appliances and instruments:	
9018.90.7040	Ultrasonic .....	X
9018.90.7060	Other .....	X
9018.90.7070	Parts and accessories of dialysis instruments and apparatus .....	X
9018.90.7080	Other .....	X
9018.90.8000	Other .....	X



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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9019	Mechano-therapy appliances; massage apparatus; psychological aptitude-testing apparatus; ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic respiration apparatus; parts and accessories thereof:	
9019.10	Mechano-therapy appliances; massage apparatus; psychological aptitude-testing apparatus; parts and accessories thereof:	
9019.10.2000	Mechano-therapy appliances and massage apparatus, and parts and accessories thereof .....	X
9019.10.5000	Other .....	X
9019.20.0000	Ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic respiration apparatus; parts and accessories thereof .....	X
9020	Other breathing appliances and gas masks, excluding protective masks having neither mechanical parts nor replaceable filters; parts and accessories thereof:	
9020.00.4000	Underwater breathing devices designed as a complete unit to be carried on the person and not requiring attendants .....	X
9020.00.8000	Other .....	X
9021	Orthopedic 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; parts and accessories thereof:	
9021.10	Orthopedic or fracture appliances; parts and accessories thereof:	
9021.10.0050	Bone plates, screws and nails, and other internal fixation devices or appliances .....	X
9021.10.0090	Other .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9021(con.)	Orthopedic appliances, including crutches, surgical belts and trusses; splints and other fracture appliances; etc. – (con.):	
	Artificial teeth and dental fittings; and parts and accessories thereof:	
9021.21	Artificial teeth; and parts and accessories thereof:	
9021.21.4000	Of plastics .....	X
9021.21.8000	Other .....	X
9021.29.0000	Other .....	X
	Other artificial parts of the body and parts and accessories thereof:	
9021.31.0000	Artificial joints and parts and accessories thereof .....	X
9021.39.0000	Other .....	X
9021.40.0000	Hearing aids, excluding parts and accessories thereof .....	No.
9021.50.0000	Pacemakers for stimulating heart muscles, excluding parts and accessories thereof .....	No.
9021.90.0002	Other .....	X
9022	Apparatus based on the use of X-rays or of alpha, beta or gamma radiations, 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; parts and accessories thereof:	
	Apparatus based on the use of X-rays, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:	
9022.12.0000	Computed tomography apparatus .....	X
9022.13.0000	Other, for dental uses .....	X
9022.14.0000	Other, for medical, surgical or veterinary uses .....	X
9022.19.0000	For other uses .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9022 (con.)	Apparatus based on the use of X-rays or of alpha, beta or gamma radiations, whether or not for medical, etc. – (con.):	
	Apparatus based on the use of alpha, beta or gamma radiations, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:	
9022.21.0000	For medical, surgical, dental or veterinary uses .....	X
9022.29	For other uses:	
9022.29.4000	Smoke detectors, ionization type .....	No.
9022.29.8000	Other .....	X
9022.30.0000	X-ray tubes .....	No.
9022.90	Other, including parts and accessories:	
9022.90.2000	Other apparatus .....	X
	Parts and accessories:	
9022.90.4000	Of X-ray tubes .....	X
	Other:	
9022.90.6000	Of apparatus based on the use of X-rays .....	X
9022.90.7000	Of smoke detectors, ionization type .....	X
9022.90.8000	Other .....	X
9023.00.0000	Instruments, apparatus and models, designed for demonstrational purposes (for example, in education or exhibitions), unsuitable for other uses, and parts and accessories thereof .....	X
9024	Machines and appliances for testing the hardness, strength, compressibility, elasticity or other mechanical properties of materials (for example, metals, wood, textiles, paper, plastics), and parts and accessories thereof:	
9024.10.0000	Machines and appliances for testing metals .....	X
9024.80.0000	Other machines and appliances .....	X
9024.90.0000	Parts and accessories .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9025	Hydrometers and similar floating instruments, thermometers, pyrometers, barometers, hygrometers and psychrometers, recording or not, and any combination of these instruments; parts and accessories thereof:	
	Thermometers and pyrometers, not combined with other instruments:	
9025.11	Liquid-filled, for direct reading:	
9025.11.2000	Clinical .....	No.
9025.11.4000	Other .....	No.
9025.19	Other:	
9025.19.4000	Pyrometers .....	No.
	Other:	
9025.19.8040	Clinical .....	No.
9025.19.8080	Other .....	No.
9025.80	Other:	
9025.80.1500	Barometers, not combined with other instruments .....	No.
9025.80.5050	Other instruments .....	No.
9025.90.0000	Parts and accessories .....	X
9026	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 headings 9014, 9015, 9028 or 9032; parts and accessories thereof:	
9026.10	For measuring or checking the flow or level of liquids:	
9026.10.5000	Flow meters .....	No.
9026.10.7000	Other .....	No.
9026.20.0000	For measuring or checking pressure .....	No.
9026.80.0000	Other instruments or apparatus .....	No.
9026.90.0000	Parts and accessories .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9027	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; parts and accessories thereof:	
9027.10.0000	Gas or smoke analysis apparatus .....	X
9027.20	Chromatographs and electrophoresis instruments:	
9027.20.2000	Gas chromatographs .....	No.
9027.20.5030	Electrophoresis instruments .....	No.
9027.20.6050	Liquid chromatographs .....	No.
9027.20.9000	Other .....	No.
9027.30	Spectrometers, spectrophotometers and spectrographs using optical radiations (ultraviolet, visible, infrared):	
	Electrical:	
9027.30.4040	Spectrophotometers .....	No.
9027.30.4080	Other .....	No.
	Other:	
9027.30.8020	Spectroscopes .....	No.
9027.30.8080	Other .....	No.
	Other instruments and apparatus using optical radiations (ultraviolet, visible, infrared):	
9027.50.1000	Exposure meters .....	No.
9027.50.2000	Thermal analysis instruments and apparatus .....	No.
9027.50.4050	Photometers .....	No.
9027.50.5000	Chemical analysis instruments and apparatus .....	No.
9027.50.9000	Other .....	No.

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9027 (con.)	Instruments and apparatus for physical or chemical analysis (for example, polarimeters, refractometers, etc. – (con.))	
9027.80	Other instruments and apparatus:	
9027.80.2500	Nuclear magnetic resonance instruments and apparatus (except those of heading 9018) .....	No.
9027.80.2600	Mass spectrometers .....	No.
	Chemical analysis instruments and apparatus:	
9027.80.3100	Electrochemical instruments and apparatus .....	No.
9027.80.3200	Other .....	No.
9027.80.3500	Physical analysis instruments and apparatus .....	No.
9027.80.8000	Other .....	No.
9027.90	Microtomes; parts and accessories:	
9027.90.2000	Microtomes .....	No.
	Parts and accessories:	
9027.90.5430	Of articles of Schedule B numbers 9027.30.4040 and 9027.30.4080 .....	X
9027.90.5440	Of articles of Schedule B number 9027.50.1000 .....	X
9027.90.8950	Other .....	X
9028	Gas, liquid or electricity supply or production meters, including calibrating meters thereof; parts and accessories thereof:	
9028.10.0000	Gas meters .....	No.
9028.20.0000	Liquid meters .....	No.
9028.30.0000	Electricity meters .....	No.
9028.90	Parts and accessories:	
9028.90.0040	Of electricity meters .....	X
9028.90.0080	Other .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9029	Revolution counters, production counters, taximeters, odometers, pedometers and the like; speedometers and tachometers, other than those of heading 9014 or 9015; stroboscopes; parts and accessories thereof:	
9029.10.0000	Revolution counters, production counters, taximeters, odometers, pedometers and the like .....	X
9029.20	Speedometers and tachometers; stroboscopes: Speedometers and tachometers:	
9029.20.4040	For use in civil aircraft .....	No.
9029.20.5000	Other .....	No.
9029.20.6000	Stroboscopes .....	No.
9029.90.0000	Parts and accessories .....	X
9030	Oscilloscopes, spectrum analyzers 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 ionizing radiations; parts and accessories thereof:	
9030.10.0000	Instruments and apparatus for measuring or detecting ionizing radiations .....	No.
9030.20.1500①	Oscilloscopes and oscillographs .....	No.
	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power:	
9030.31.0000	Multimeters without a recording device .....	No.
9030.32.0000	Multimeters with a recording device .....	No.

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9030 (con.)	Oscilloscopes, spectrum analyzers and other instruments and apparatus for measuring or checking electrical etc. – (con.):	
	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power (con.):	
9030.33❶	Other, without a recording device:	
9030.33.0040	For measuring or checking voltage, current or resistance .....	X
9030.33.0080	Other .....	X
9030.39.0100	Other, with a recording device .....	X
9030.40.0000	Other instruments and apparatus, specially designed for tele-communications (for example, cross-talk meters, gain measuring instruments, distortion factor meters, psophometers) .....	X
	Other instruments and apparatus:	
9030.82.0000	For measuring or checking semiconductor wafers or devices .....	No.
9030.84.0000	Other, with a recording device .....	X
9030.89.0100	Other .....	X
9030.90	Parts and accessories:	
9030.90.4000	For articles of subheading 9030.10 .....	X
	Other:	
9030.90.8010	Of articles of subheading 9030.20 .....	X
9030.90.8020	Of articles of subheading 9030.31 .....	X
9030.90.8030	Of articles of subheading 9030.39 .....	X
9030.90.8040	Of articles of subheading 9030.40 .....	X
9030.90.8050	Of articles of subheadings 9030.82 or 9030.84 .....	X
9030.90.8060	Other .....	X

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9031	Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors; parts and accessories thereof:	
9031.10.0000	Machines for balancing mechanical parts .....	X
9031.20.0000	Test benches .....	X
	Other optical instruments and appliances:	
9031.41.0000	For inspecting semiconductor wafers or devices or for inspecting photomasks or reticles used in manufacturing semiconductor devices .....	No.
9031.49	Other:	
9031.49.1000	Profile projectors .....	X
9031.49.4000	Coordinate-measuring machines .....	X
9031.49.8000	Other .....	X
9031.80	Other instruments, appliances and machines: Equipment for testing the characteristics of internal combustion engines:	
9031.80.8060	For testing electrical characteristics .....	X
9031.80.8070	Other .....	X
9031.80.8080	Other .....	X
9031.90.0000	Parts and accessories .....	X
9032	Automatic regulating or controlling instruments and apparatus; parts and accessories thereof:	
9032.10.0000	Thermostats .....	No.
9032.20.0000	Manostats .....	No.
	Other instruments and apparatus:	
9032.81	Hydraulic or pneumatic:	
9032.81.0040	Industrial process control instruments and apparatus ....	No.
9032.81.0080	Other .....	No.

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Schedule B No. and Headings	Commodity Description	Unit of Quantity
9032 (con.)	Automatic regulating or controlling instruments and apparatus; parts and accessories thereof (con.): Other instruments and apparatus (con.):	
9032.89	Other:	
9032.89.3000	Automatic voltage and voltage-current regulators .....	X
	Other:	
9032.89.6020	Control instruments for air-conditioning, refrigeration or heating systems .....	X
	Process control instruments and apparatus:	
9032.89.6030	Complete systems .....	No.
	Other:	
9032.89.6040	Temperature control instruments .....	No.
9032.89.6050	Pressure and draft control instruments .....	No.
9032.89.6060	Flow and liquid level control instruments .....	No.
9032.89.6070	Humidity control instruments .....	No.
9032.89.6075	Other .....	X
9032.89.6085	Other .....	X
9032.90.0000	Parts and accessories .....	X
9033.00.0000	Parts and accessories (not specified or included elsewhere in this chapter) for machines, appliances, instruments or appliances of chapter 90 .....	X