

## 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 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 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;
  - (ij). Searchlights and 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 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.
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 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, 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.

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
90	Optical, Photographic, Cinematographic, Measuring, Checking, Precision, Medical or Surgical Instruments and Apparatus; Parts and Accessories Thereof		
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.	
	---- Other:		
9002.11.6000	----- 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	
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	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
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.	
9005.90.0002	- - Parts and accessories (including mountings)	X	
9006	- Photographic (other than cinematographic) cameras; photographic flashlight apparatus and flashbulbs other than discharge lamps of heading 8539; parts and accessories thereof:		
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.	
9006.59.2000	- - - Cameras of a kind used for preparing printing plates or cylinders	No.	
9006.59.9500	- - - 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:		
9006.91.0002	- - - For cameras	X	
9006.99.0000	- - - Other	X	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
9007	- Cinematographic cameras and projectors, whether or not incorporating sound recording or reproducing apparatus; parts and accessories thereof:		
9007.10.0000	-- Cameras	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:		
9007.91.0002	--- 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:		
9008.50	-- Projectors, enlargers and reducers:		
9008.50.1000	--- Slide projectors	No.	
	--- Microfilm, microfiche or other microform readers, whether or not capable of producing copies:		
9008.50.2000	---- Capable of producing copies	No.	
9008.50.3000	---- Other	No.	
9008.50.4000	--- Other image projectors	No.	
9008.50.5000	--- Photographic (other than cinematographic) enlargers and reducers	No.	
9008.90.0000	-- Parts and accessories	X	
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	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
9010.60.0000	-- Projection screens	No.	
9010.90.0002	-- Parts and accessories	X	
9011	- Compound optical microscopes, including those for photomicro- graphy, cinephotomicrography or microprojection; parts and accessories thereof:		
9011.10.0000	-- Stereoscopic microscopes	No.	
9011.20.0000	-- Other microscopes, for photomicrography, cinephotomicro- graphy 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	
9014	- Direction finding compasses; other navigational instruments and appliances; parts and accessories thereof:		
9014.10	-- Direction finding compasses: --- Other: ---- Gyroscopic compasses, other than electrical:		
9014.10.6040	----- For use in civil aircraft	No.	
9014.10.6080	----- Other ---- Other: ----- Gyroscopic compasses, electrical:	No.	
9014.10.7040	----- For use in civil aircraft	No.	
9014.10.7080	----- Other ---- Other: ----- For use in civil aircraft	No.	
9014.10.9040	----- Other	No.	
9014.10.9080	--- Optical instruments:		
9014.10.1040	---- For use in civil aircraft	No.	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
9014.10.1080	---- 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	
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	
9015.90.0100	-- 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:		



Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
9017.20.4000	--- Disc calculators, slide rules and other mathematical calculating instruments	X	
	--- 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:		
9018.11.3000	---- Electrocardiographs	No.	
9018.11.8000	---- Parts and accessories	X	
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	
	---- Other:		
9018.19.5500	----- Patient monitoring systems	X	
9018.19.7500	----- Printed circuit assemblies for parameter acquisition modules	X	
	----- Other:		
9018.19.9530	----- 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	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
9018.20.0000	-- Ultraviolet or infrared ray apparatus, and parts and accessories thereof	X	
	-- 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	
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	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
9018.90.7070	----- Parts and accessories of dialysis instruments and apparatus	X	
9018.90.7080	----- Other	X	
9018.90.8000	---- Other	X	
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	
	-- 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	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
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	
	-- 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	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
9024.80.0000	-- Other machines and appliances	X	
9024.90.0000	-- Parts and accessories	X	
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	
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.	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
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.	
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	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second 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.	
9030.20.1500	-- 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.	
9030.33	--- 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 telecommunications (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	

Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
9030.90.8050	---- Of articles of subheadings 9030.82 or 9030.84	X	
9030.90.8060	---- Other	X	
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.	
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	



Schedule B No. and Headings	Commodity Description	Unit of Quantity	Second Quantity
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	