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 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); 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 or checking machinery, or separately entered 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 or 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 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.

Notes (con.)

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, operation 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; 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, stabilized against disturbances, by constantly or periodically measuring its actual value.

Additional U.S. Notes

1. For the purposes 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.

2. For the purposes 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.

3. For the purposes 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 element or elements are solely for viewing a scale or for some other subsidiary purpose.

4. For the purposes of this chapter, the term "printed circuit assembly"means goods consisting of one or more printed circuits of heading 8534 with one or more active elements assembled thereon, with or without passive elements. For the purposes of this note,"active elements" means diodes, transistors and similar semiconductor devices, whether or not photosensitive, of heading 8541, and integrated circuits of heading 8542.

Statistical Notes

1. For statistical reporting purposes under subheading 9001.10, the unit of quantity "fiber m", 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 purposes of statistical reporting number 9025.19.8010, “clinical infrared thermometers” are devices designed to be used to check the body temperatures of humans and animals.

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
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:				
9001.10.00		Optical fibers, optical fiber bundles and cables	.....	6.7%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	65%
		Optical fibers:				
	30	For transmission of voice, data or video communications	m			
		Other:				
	50	Plastic optical fibers	m			
	70	Other	m			
		Optical fiber bundles and cables:				
	75	Plastic optical fiber bundles and cables	Fiber m			
	85	Other	Fiber m			
9001.20.00	00	Sheets and plates of polarizing material	kg	Free		50%
9001.30.00	00	Contact lenses	No	2%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
9001.40.00	00	Spectacle lenses of glass	prs	2%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
9001.50.00	00	Spectacle lenses of other materials	prs	2%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
9001.90		Other:				
9001.90.40	00	Lenses	No	Free		45%
9001.90.50	00	Prisms	No	Free		65%
9001.90.60	00	Mirrors	No	Free		45%
		Other:				
9001.90.80	00	Halftone screens designed for use in engraving or photographic processes	No	Free		25%
9001.90.90	00	Other	No	Free		85%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
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:				
9002.11.40	00	Projection	No	2.45%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
		Other:				
9002.11.60	00	Mounted lenses suitable for use in, and entered 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	Free		45%
9002.11.90	00	Other	No	2.3%	Free (A, AU, BH, CL, CO, D, E, IL, JO, JP, KR, MA, OM, P, PA, PE, S, SG)	45%
9002.19.00	00	Other	No	Free		45%
9002.20		Filters and parts and accessories thereof:				
9002.20.40	00	Photographic	No	Free		20%[1/]
9002.20.80	00	Other	No	Free		65%
9002.90		Other:				
9002.90.20	00	Prisms	No	Free		65%
9002.90.40	00	Mirrors	No	Free		45%
		Other:				
9002.90.70	00	Halftone screens designed for use in engraving or photographic processes	No	Free		25%
9002.90.85	00	Mounted lenses suitable for use in, and entered 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	Free		65%
9002.90.95	00	Other	No	Free		65%
9003		Frames and mountings for spectacles, goggles or the like, and parts thereof:				
		Frames and mountings:				
9003.11.00	00	Of plastics	doz	2.5%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	50%
9003.19.00	00	Of other materials	doz	Free		50%
9003.90.00	00	Parts	No	2.5%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	50%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9004		Spectacles, goggles and the like, corrective, protective or other:				
9004.10.00	00	Sunglasses	doz.	2%	Free (A, AU, BH, CL, CO, D, E, IL, JO, JP, KR, MA, OM, P, PA, PE, S, SG)	40%
9004.90.00		Other		2.5%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, JP, KR, MA, OM, P, PA, PE, S, SG)	40%
	10	Safety glasses or safety goggles	doz.			
	90	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:				
9005.10.00		Binoculars		Free		60%
	20	Prism binoculars for use with infrared light	No.			
	40	Other prism binoculars	No.			
	80	Other	No.			
9005.80		Other instruments:				
9005.80.40		Optical telescopes		8%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
	20	For use with infrared light	No.			
	40	Other	No.			
9005.80.60	00	Other	No.	6%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9005.90		Parts and accessories (including mountings):				
9005.90.40	00	Incorporating goods of heading 9001 or 9002	No.	The rate applicable to the article of which it is a part or accessory	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	The rate applicable to the article of which it is a part or accessory
9005.90.80	01	Other	No.	The rate applicable to the article of which it is a part or accessory	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	The rate applicable to the article of which it is a part or accessory

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9006		Photographic (other than cinematographic) cameras; photographic flashlight apparatus and flashbulbs other than discharge lamps of heading 8539; parts and accessories thereof:				
9006.30.00	00	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.	Free		20%
9006.40		Instant print cameras:				
9006.40.40	00	Fixed focus	No.	Free		20%
		Other than fixed focus:				
9006.40.60	00	Valued not over $10 each	No.	6.8%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	20%
9006.40.90	00	Valued over $10 each	No.	Free		20%
		Other cameras:				
9006.53.02		For roll film of a width of 35 mm	.....	Free		20%
	05	With through-the-lens viewfinder (single lens reflex (SLR))	No.			
		Other:				
		One time use cameras:				
	10	With built-in electronic stroboscopic flash	No.			
	20	Other	No.			
		Other:				
	50	With built-in electronic stroboscopic flash	No.			
	70	Other	No.			

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9006 (con.)		Photographic (other than cinematographic) cameras; photographic flashlight apparatus and flashbulbs other than discharge lamps of heading 8539; parts and accessories thereof: (con.)				
		Other cameras: (con.)				
9006.59		Other:				
		For roll film of a width less than 35mm:				
9006.59.01		With through-the-lens viewfinder (single lens reflex (SLR))	.....	Free		20%
	60	For magnetically sensitized roll film of a width of 24 mm	No.			
	90	Other	No.			
		Other:				
		Fixed focus:				
		Hand held:				
9006.59.05		110 cameras	.....	Free		20%
	20	With built-in electronic stroboscopic flash	No.			
	40	Other	No.			
9006.59.08	00	Other	No.	4%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	20%
9006.59.10	00	Other	No.	Free		20%
		Other than fixed focus:				
9006.59.12	00	Valued not over $10 each	No.	6.8%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	20%
9006.59.15		Valued over $10 each	.....	Free		20%
		Hand held:				
		110 cameras:				
	20	With built-in electronic stroboscopic flash	No.			20%
	40	Other	No.			
	60	Other	No.			
	80	Other	No.			
		Other:				
9006.59.20	00	Cameras of a kind used for preparing printing plates or cylinders	No.	Free		20%
9006.59.40		Fixed focus	.....	4%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	20%
	40	Disc cameras	No.			
	60	Other	No.			
		Other than fixed focus:				
9006.59.60	00	Valued not over $10 each	No.	6.8%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	20%
9006.59.91	00	Valued over $10 each	No.	Free		20%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9006 (con.)		Photographic (other than cinematographic) cameras; photographic flashlight apparatus and flashbulbs other than discharge lamps of heading 8539; parts and accessories thereof: (con.)				
		Photographic flashlight apparatus and flashbulbs:				
9006.61.00		Discharge lamp ("electronic") flashlight apparatus	.....	Free		35%
		Capable of camera mounting:				
	20	Capable of automatically controlling flash duration	No.			
	40	Other	No.			
	60	Other	No.			
9006.69.01		Other	.....	Free		35%
	10	Flashbulbs, flashcubes and the like	No.			
	50	Other	No.			
		Parts and accessories:				
9006.91.00	01	For cameras	No	5.8%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	20%[1/]
9006.99.00	00	Other	No	3.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9007		Cinematographic cameras and projectors, whether or not incorporating sound recording or reproducing apparatus; parts and accessories thereof:				
9007.10.00	00	Cameras	No	Free		20%
9007.20		Projectors:				
		For film of less than 16 mm:				
9007.20.20	00	With sound recording and reproducing systems; and those capable of projecting only sound motion pictures	No	Free		45%
9007.20.40	00	Other	No	4.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
		Other:				
9007.20.60		With sound recording and reproducing systems; and those capable of projecting only sound motion pictures		Free		45%
	40	16 mm	No.			
	80	Other	No.			
9007.20.80	00	Other	No	3.5%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
		Parts and accessories:				
9007.91		For cameras:				
9007.91.40	00	Parts	kg	Free		20%[1/]
9007.91.80	01	Other	kg	3.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9007.92.00	00	For projectors	kg	3.5%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9008		Image projectors, other than cinematographic; photographic (other than cinematographic) enlargers and reducers; parts and accessories thereof:				
9008.50		Projectors, enlargers and reducers:				
9008.50.10	00	Slide projectors	No	7%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
		Microfilm, microfiche or other microform readers, whether or not capable of producing copies:				
9008.50.20	00	Capable of producing copies	No	Free		35%
9008.50.30	00	Other	No	3.5%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9008.50.40	00	Other image projectors	No	4.6%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9008.50.50	00	Photographic (other than cinematographic) enlargers and reducers	No	Free		20%
9008.90		Parts and accessories:				
9008.90.40	00	Of image projectors, other than cinematographic	kg	Free		35%
9008.90.80	00	Other	kg	2.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	20%[1/]

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9010		Apparatus and equipment for photographic (including cinematographic) laboratories, not specified or included elsewhere in this chapter; negatoscopes; projection screens; parts and accessories thereof:				
9010.10.00	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	kg	2.4%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
9010.50		Other apparatus and equipment for photographic (including cinematographic) laboratories; negatoscopes:				
9010.50.10	00	Contact printers	No	Free		35%
9010.50.20	00	Developing tanks	No	Free		45%
		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:				
9010.50.30	00	Editors and combination editor-splicers, for cinematographic film	No	Free		45%
9010.50.40	00	Other	kg	Free		45%
9010.50.50	00	Other	kg	Free		35%
9010.50.60	00	Other	kg	Free		35%
9010.60.00	00	Projection screens	No	Free		50%
9010.90		Parts and accessories:				
9010.90.85	00	Parts and accessories of articles of subheadings 9010.50 and 9010.60	kg	Free		45%
9010.90.95	00	Other	kg	2.9%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9011		Compound optical microscopes, including those for photomicrography, cinemicrography or microprojection; parts and accessories thereof:				
9011.10		Stereoscopic microscopes:				
9011.10.40	00	Provided with a means for photographing the image	No	Free		20%
9011.10.80	00	Other	No	Free		45%
9011.20		Other microscopes, for photomicrography, cinemicrography or microprojection:				
9011.20.40	00	Provided with a means for photographing the image	No	3.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	20%
9011.20.80	00	Other	No	7.2%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9011.80.00	00	Other microscopes	No	Free		45%
9011.90.00	00	Parts and accessories	kg	Free		45%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9012		Microscopes other than optical microscopes; diffraction apparatus; parts and accessories thereof:				
9012.10.00	00	Microscopes other than optical microscopes; diffraction apparatus	No	Free		40%
9012.90.00	00	Parts and accessories	kg	Free		40%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9013		Lasers, other than laser diodes; other optical appliances and instruments, not specified or included elsewhere in this chapter:				
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:				
		Telescopic sights for rifles:				
9013.10.10	00	Not designed for use with infrared light	No	14.9%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG) 7.45% (JP)	45%
9013.10.30	00	Other	No	1.4%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
		Other:				
9013.10.45	00	Telescopes designed to form parts of machines, appliances, instruments or apparatus of this chapter of section XVI	No	Free		45%
9013.10.50	00	Other	No	5.3%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9013.20.00	00	Lasers, other than laser diodes	No	Free		35%
9013.80		Other devices, appliances and instruments:				
9013.80.20	00	Hand magnifiers, magnifying glasses, loupes, thread counters and similar apparatus	No	6.6%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9013.80.40	00	Door viewers (door eyes)	No	5.8%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	60%
9013.80.91	00	Other	No	4.5%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9013.90		Parts and accessories:				
9013.90.20	00	Of telescopic sights for rifles	No	16%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
		Other:				
9013.90.70	00	Other parts and accessories, other than for telescopic sights for fitting to arms or for periscopes	No	Free		45%
9013.90.80	00	Other	No	4.5%[2/]	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9014		Direction finding compasses; other navigational instruments and appliances; parts and accessories thereof:				
9014.10		Direction finding compasses:				
9014.10.10	00	Optical instruments	No.	Free		45%
		Other:				
9014.10.60	00	Gyroscopic compasses, other than electrical	No.	Free		35%
		Other:				
9014.10.70		Electrical		Free		40%
	30	Gyroscopic compasses	No.			
	60	Other	No.			
9014.10.90	00	Other	No.	Free		45%
9014.20		Instruments and appliances for aeronautical or space navigation (other than compasses):				
9014.20.20	00	Optical instruments and appliances	No.	Free		45%
		Other:				
9014.20.40	00	Automatic pilots	No.	Free		40%
		Other:				
9014.20.60	00	Electrical	No.	Free		40%
9014.20.80		Other		Free		30%[1/]
	40	For use in civil aircraft[3/]	No.			
	80	Other	No.			
9014.80		Other instruments and appliances:				
9014.80.10	00	Optical instruments	No.	Free		45%
		Other:				
9014.80.20	00	Ships' logs and depth-sounding apparatus	No.	Free		70%
		Other:				
9014.80.40	00	Electrical	No.	Free		40%
9014.80.50	00	Other	No.	Free		30%[1/]
9014.90		Parts and accessories:				
9014.90.10	00	Of articles covered by subheading 9014.20.40	kg	Free		40%
9014.90.20		Of articles covered by subheading 9014.20.80		Free		30%
	40	For use in civil aircraft[3/]	No.			
	80	Other	No.			
9014.90.40	00	Of articles covered by subheading 9014.80.50	kg	Free		30%
9014.90.60	00	Other	kg	Free		40%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9015		Surveying (including photogrammetrical surveying), hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances, excluding compasses; rangefinders; parts and accessories thereof:				
9015.10		Rangefinders:				
9015.10.40	00	Electrical	No	Free		40%
9015.10.80	00	Other	No	Free		45%
9015.20		Theodolites and tachymeters (tacheometers):				
9015.20.40	00	Electrical	No	Free		40%
9015.20.80	00	Other	No	Free		45%
9015.30		Levels:				
9015.30.40	00	Electrical	No	Free		40%
9015.30.80	00	Other	No	2.8%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9015.40		Photogrammetrical surveying instruments and appliances:				
9015.40.40	00	Electrical	No	Free		40%
9015.40.80	00	Other	No	Free		40%
9015.80		Other instruments and appliances:				
9015.80.20	00	Optical instruments and appliances	No	Free		45%
		Other:				
9015.80.60	00	Seismographs	No	Free		40%
9015.80.80		Other		Free		40%
	40	Geophysical instruments and appliances	No.			
	80	Other	kg			
9015.90.01		Parts and accessories		Free		The rate applicable to the article of which it is a part or accessory
	10	Of rangefinders	kg			
	20	Of theodolites and tachymeters	kg			
	30	Of levels	kg			
	40	Of photogrammetrical surveying instruments and apparatus	kg			
	50	Of seismographs	kg			
	60	Of other geophysical instruments and appliances	kg			
	90	Other	kg			

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9016.00		Balances of a sensitivity of 5 cg or better, with or without weights; parts and accessories thereof:				
9016.00.20	00	Electrical balances and parts and accessories thereof	kg	3.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
		Other:				
9016.00.40	00	Jewelers' balances and parts and accessories thereof	kg	2.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9016.00.60	00	Other	kg	3.3%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
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		Drafting tables and machines, whether or not automatic:				
9017.10.40	00	Plotters	No	Free		45%
9017.10.80	00	Other	No	3.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9017.20		Other drawing, marking-out or mathematical calculating instruments:				
9017.20.40	00	Disc calculators, slide rules and other mathematical calculating instruments	No	3.9%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
9017.20.70	00	Plotters	No	Free		45%
9017.20.80		Other		4.6%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
	40	Hand operated input devices which transmit position data to computer processors or displays (digitizers)	No.			
	80	Other	kg			
9017.30		Micrometers, calipers and gauges:				
9017.30.40	00	Micrometers and calipers	No	5.8%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9017.30.80	00	Other	No	3.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9017 (con.)		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: (con.)				
9017.80.00	00	Other instruments	No	5.3%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG) 2.65% (JP)	45%
9017.90.01		Parts and accessories		The rate applicable to the article of which it is a part or accessory	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	The rate applicable to the article of which it is a part or accessory
	05	Of articles of subheading 9017.10.40	kg			
	15	Of articles of subheading 9017.10.80	kg			
	20	Of articles of subheading 9017.20.40	kg			
	32	Of articles of subheading 9017.20.70	kg			
	36	Of articles of subheading 9017.20.80	kg			
	40	Of articles of subheading 9017.30.40	kg			
	50	Of articles of subheading 9017.30.80	kg			
	60	Other	kg			

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	1 Special	2
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:				
9018.11.30	00	Electrocardiographs	No.	Free		35%
9018.11.60	00	Printed circuit assemblies	No.	Free		35%
9018.11.90	00	Other	No.	Free		35%
9018.12.00	00	Ultrasonic scanning apparatus	No.	Free		35%
9018.13.00	00	Magnetic resonance imaging apparatus	No.	Free		35%
9018.14.00	00	Scintigraphic apparatus	No.	Free		35%
9018.19		Other:				
9018.19.40	00	Apparatus for functional exploratory examination, and parts and accessories thereof	No.	Free		55%
		Other:				
9018.19.55	00	Patient monitoring systems	No.	Free		35%
9018.19.75	00	Printed circuit assemblies for parameter acquisition modules	No.	Free		35%
9018.19.95		Other		Free		35%
	30	Basal metabolism and blood pressure apparatus	No.			
	35	Electroencephalographs (EEG) and electromyographs (EMG)	No.			
	50	Other apparatus	No.			
	60	Parts and accessories	No.			
9018.20.00		Ultraviolet or infrared ray apparatus, and parts and accessories thereof		Free		35%
	40	Therapeutic	No.			
	80	Other	No.			
		Syringes, needles, catheters, cannulae and the like; parts and accessories thereof:				
9018.31.00		Syringes, with or without needles; parts and accessories thereof		Free		60%
		Syringes, with or without their needles:				
	40	Hypodermic	No.			
	80	Other	No.			
	90	Parts and accessories	No.			
9018.32.00	00	Tubular metal needles and needles for sutures and parts and accessories thereof	No.	Free		55%
9018.39.00		Other		Free		30%
		Bougies, catheters, drains and sondes, and parts and accessories thereof:				
	20	Rubber catheters	doz.			
	40	Other	No.			
	50	Other	No.			

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	1 Special	2
9018 (con.)		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: (con.)				
		Other instruments and appliances, used in dental sciences, and parts and accessories thereof:				
9018.41.00	00	Dental drill engines, whether or not combined on a single base with other dental equipment, and parts and accessories thereof	No.	Free		35%
9018.49		Other:				
9018.49.40	00	Dental burs	gross	Free		35%
9018.49.80		Other		Free		35%
	40	Dental hand instruments and parts and accessories thereof	No.			
	80	Other	No.			
9018.50.00	00	Other ophthalmic instruments and appliances and parts and accessories thereof	No.	Free		60%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	1 Special	2
9018 (con.)		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: (con.)				
9018.90		Other instruments and appliances and parts and accessories thereof:				
		Optical instruments and appliances and parts and accessories thereof:				
9018.90.10	00	Mirrors and reflectors	No.	Free		45%
9018.90.20	00	Other	No.	Free		60%
		Other:				
9018.90.30	00	Anesthetic instruments and appliances and parts and accessories thereof	No.	Free		45%
9018.90.40	00	Percussion hammers, stethoscopes and parts of stethoscopes	No.	Free		45%
9018.90.50		Sphygmomanometers, tensimeters and oscillometers; all the foregoing and parts and accessories thereof		Free		27.5%
	40	Sphygmomanometers and parts and accessories thereof	No.			
	80	Other	No.			
		Electro-medical instruments and appliances and parts and accessories thereof:				
9018.90.60	00	Electro-surgical instruments and appliances, other than extracorporeal shock wave lithotripters; all the foregoing and parts and accessories thereof	No.	Free		55%
		Other:				
9018.90.64	00	Defibrillators	No.	Free		35%
9018.90.68	00	Printed circuit assemblies for the defibrillators of subheading 9018.90.64	No.	Free		35%
9018.90.75		Other		Free		35%
	20	Dialysis instruments and apparatus	No.			
		Other therapeutic appliances and instruments:				
	40	Ultrasonic	No.			
	60	Other	No.			
	70	Parts and accessories of dialysis instruments and apparatus	No.			
	80	Other	No.			
9018.90.80	00	Other	No.	Free		55%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
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:				
9019.10.20		Mechano-therapy appliances and massage apparatus; parts and accessories thereof	.....	Free		35%
	10	Mechano-therapy appliances	No.			
		Massage apparatus:				
		Electrically operated:				
		Battery powered:				
	20	Handheld	No.			
	30	Other	No.			
		Other:				
	35	Powered by AC adapter	No.			
	45	Other	No.			
	50	Other	No.			
	90	Parts and accessories	No.			
		Other:				
9019.10.40	00	Electrically operated apparatus and parts thereof	No	Free		35%
9019.10.60	00	Other	No	Free		55%
9019.20.00	00	Ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic respiration apparatus; parts and accessories thereof	No	Free		35%
9020.00		Other breathing appliances and gas masks, excluding protective masks having neither mechanical parts nor replaceable filters; parts and accessories thereof:				
9020.00.40	00	Underwater breathing devices designed as a complete unit to be carried on the person and not requiring attendants	No	Free		27.5%
9020.00.60	00	Other breathing appliances and gas masks	No	2.5%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
9020.00.90	00	Other	kg	2.5%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
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:				
9021.10.00		Orthopedic or fracture appliances, and parts and accessories thereof	.....	Free		55%
	50	Bone plates, screws and nails, and other internal fixation devices or appliances	No.			
	90	Other	No.			
		Artificial teeth and dental fittings, and parts and accessories thereof:				
9021.21		Artificial teeth and parts and accessories thereof:				
9021.21.40	00	Of plastics	No.	Free		20%
9021.21.80	00	Other	No.	Free		70%
9021.29		Other:				
9021.29.40	00	Of plastics	No.	Free		20%
9021.29.80	00	Other	No.	Free		70%
		Other artificial parts of the body and parts and accessories thereof:				
9021.31.00	00	Artificial joints and parts and accessories thereof	No.	Free		55%
9021.39.00	00	Other	No.	Free		40%
9021.40.00	00	Hearing aids, excluding parts and accessories thereof	No.	Free		35%
9021.50.00	00	Pacemakers for stimulating heart muscles, excluding parts and accessories thereof	No.	Free		35%
9021.90		Other:				
9021.90.40		Parts and accessories for hearing aids and for pacemakers for stimulating heart muscles	.....	Free		35%
	40	For hearing aids	No.			
	80	Other	No.			
9021.90.81	00	Other	No.	Free		35%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9022		Apparatus based on the use of X-rays or of alpha, beta, gamma or other ionizing 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:				
9022.12.00	00	Computed tomography apparatus	No	Free		35%
9022.13.00	00	Other, for dental uses	No	Free		35%
9022.14.00	00	Other, for medical, surgical or veterinary uses	No	Free		35%
9022.19.00	00	For other uses	No	Free		35%
		Apparatus based on the use of alpha, beta, gamma or other ionizing radiations, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:				
9022.21.00	00	For medical, surgical, dental or veterinary uses	No	Free		35%
9022.29		For other uses:				
9022.29.40	00	Smoke detectors, ionization type	No	Free		35%
9022.29.80	00	Other	No	Free		35%
9022.30.00	00	X-ray tubes	No	Free		35%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9022 (con.)		Apparatus based on the use of X-rays or of alpha, beta, gamma or other ionizing 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: (con.)				
9022.90		Other, including parts and accessories:				
9022.90.05	00	Radiation generator units	No	0.8%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
9022.90.15	00	Radiation beam delivery units	No	1.4%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
		Other:				
9022.90.25	00	Other apparatus	No	0.8%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
		Parts and accessories:				
9022.90.40	00	Of X-ray tubes	No	0.9%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
		Other:				
9022.90.60	00	Of apparatus based on the use of X-rays	No	Free		35%
9022.90.70	00	Of smoke detectors, ionization type	No	1%	Free (A, AU, B, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
9022.90.95	00	Other	No	1.4%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
9023.00.00	00	Instruments, apparatus and models, designed for demonstrational purposes (for example, in education or exhibitions), unsuitable for other uses, and parts and accessories thereof	kg	Free		Free[1/]
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:				
9024.10.00	00	Machines and appliances for testing metals	No	Free		40%
9024.80.00	00	Other machines and appliances	No	Free		40%
9024.90.00		Parts and accessories		Free		40%
	40	Of machines and appliances for testing metals	kg			
	80	Other	kg			

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
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:				
9025.11.20	00	Clinical	No.	Free		85%
9025.11.40	00	Other	No.	Free		85%
9025.19		Other:				
9025.19.40	00	Pyrometers	No.	Free		45%
9025.19.80		Other		Free		40%
		Clinical				
	10	Infrared thermometers of a kind described in statistical note 2 of this chapter	No.			
	20	Other	No.			
		Other				
	60	Infrared thermometers	No.			
	85	Other	No.			
9025.80		Other instruments:				
9025.80.10	00	Electrical	No.	1.7%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
		Other:				
9025.80.15	00	Barometers, not combined with other instruments	No.	1%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
9025.80.20	00	Hydrometers and similar floating instruments, whether or not incorporating a thermometer, non-recording	No.	2.9%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	85%
9025.80.35	00	Hygrometers and psychrometers, non-recording	No.	1.4%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
9025.80.40	00	Thermographs, barographs, hygrographs and other recording instruments	No.	1%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
9025.80.50	00	Other	No.	1.6%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	50%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9025 (con.)		Hydrometers and similar floating instruments, thermometers, pyrometers, barometers, hygrometers and psychrometers, recording or not, and any combination of these instruments; parts and accessories thereof: (con.)				
9025.90.06	00	Parts and accessories	kg	Free		The rate applicable to the article of which it is a part or accessory
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 heading 9014, 9015, 9028 or 9032; parts and accessories thereof:				
9026.10		For measuring or checking the flow or level of liquids:				
9026.10.20		Electrical		Free		40%
	40	Flow meters	No.			
	80	Other	No.			
		Other:				
9026.10.40	00	Flow meters	No	Free		$4.50 each + 65%
9026.10.60	00	Other	No	Free		35%
9026.20		For measuring or checking pressure:				
9026.20.40	00	Electrical	No	Free		40%
9026.20.80	00	Other	No	Free		35%
9026.80		Other instruments and apparatus:				
9026.80.20	00	Electrical	No	Free		40%
		Other:				
9026.80.40	00	Heat meters incorporating liquid supply meters, and anemometers	No	Free		$4.50 each + 65%
9026.80.60	00	Other	No	Free		35%
9026.90		Parts and accessories:				
9026.90.20	00	Of electrical instruments and apparatus	kg	Free		40%
		Other:				
9026.90.40	00	Of flow meters, heat meters incorporating liquid supply meters and anemometers	kg	Free		65%
9026.90.60	00	Other	kg	Free		35%

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
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		Gas or smoke analysis apparatus:				
9027.10.20	00	Electrical	kg No.	Free		40%
		Other:				
9027.10.40	00	Optical instruments and apparatus	kg	Free		50%
9027.10.60	00	Other	kg	Free		40%
9027.20		Chromatographs and electrophoresis instruments:				
9027.20.50		Electrical		Free		40%
	30	Electrophoresis instruments	No.			
	50	Gas chromatographs	No.			
	60	Liquid chromatographs	No.			
	80	Other	No.			
9027.20.80		Other		Free		40%
	30	Gas chromatographs	No.			
	60	Liquid chromatographs	No.			
	90	Other	No.			
9027.30		Spectrometers, spectrophotometers and spectrographs using optical radiations (ultraviolet, visible, infrared):				
9027.30.40		Electrical		Free		40%
	40	Spectrophotometers	No.			
	80	Other	No.			
9027.30.80		Other		Free		50%
	20	Spectroscopes	No.			
	80	Other	No.			
9027.50		Other instruments and apparatus using optical radiations (ultraviolet, visible, infrared):				
9027.50.10	00	Exposure meters	No	1.2%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	27.5%
		Other:				
9027.50.40		Electrical		Free		40%
	15	Chemical analysis instruments and apparatus	No.			
	20	Thermal analysis instruments and apparatus	No.			
	50	Photometers	No.			
	60	Other	No.			
9027.50.80		Other		Free		50%
	15	Chemical analysis instruments and apparatus	No.			
	20	Thermal analysis instruments and apparatus	No.			
	60	Other	No.			

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	1 Special	2
9027 (con.)		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: (con.)				
		Other instruments and apparatus:				
9027.81.00	00	Mass spectrometers	No.	Free		40%
9027.89		Other:				
9027.89.25	00	Nuclear magnetic resonance instruments	No.	Free		40%
		Other:				
9027.89.45		Electrical		Free		40%
	30	Chemical analysis instruments and apparatus	kg			
	60	Physical analysis instruments and apparatus	kg			
	90	Other	kg			
9027.89.80		Other		Free		40%
	30	Chemical analysis instruments and apparatus	kg			
	60	Physical analysis instruments and apparatus	kg			
	90	Other	kg			

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9027 (con.)		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: (con.)				
9027.90		Microtomes; parts and accessories:				
9027.90.20	00	Microtomes	No	Free		40%
		Parts and accessories:				
		Of electrical instruments and apparatus:				
9027.90.45	00	Printed circuit assemblies for the goods of subheading 9027.81 or 9027.89	No	Free		40%
		Other:				
9027.90.54	00	Of electrophoresis instruments not incorporating an optical or other measuring device	kg	Free		40%
9027.90.56		Of instruments and apparatus of subheading 9027.20, 9027.30, 9027.50, 9027.81 or 9027.89		Free		40%
	25	Of articles of subheading 9027.20.50	kg			
	30	Of articles of subheading 9027.30.40	kg			
	40	Of articles of subheading 9027.50.10	kg			
	50	Of articles of subheading 9027.50.40	kg			
	95	Other	kg			
9027.90.59		Other		Free		40%
	10	Of articles of subheading 9027.10.20	kg			
	95	Other	kg			
		Other:				
		Of optical instruments and apparatus:				
9027.90.64	00	Of instruments and apparatus of subheading 9027.20, 9027.30, 9027.50, 9027.81 or 9027.89	kg	Free		50%
9027.90.68	00	Other	kg	Free		50%
		Other:				
9027.90.84	00	Of instruments and apparatus of subheading 9027.20, 9027.30, 9027.50, 9027.81 or 9027.89	kg	Free		40%
9027.90.88	00	Other	kg	Free		40%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9028		Gas, liquid or electricity supply or production meters, including calibrating meters thereof; parts and accessories thereof:				
9028.10.00	00	Gas meters	No	16¢ each + 2.5%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	$4.50 each + 65%
9028.20.00	00	Liquid meters	No	16¢ each + 2.5%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	$4.50 each + 65%
9028.30.00	00	Electricity meters	No	Free		$4.50 each + 65%
9028.90.00		Parts and accessories		Free		65%
	40	Of electricity meters	kg			
	80	Other	kg			

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
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		Revolution counters, production counters, taximeters, odometers, pedometers and the like:				
9029.10.40	00	Taximeters	No	5.3%	Free (A, AU, B, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	85%
9029.10.80	00	Other	No	Free		35%
9029.20		Speedometers and tachometers; stroboscopes:				
9029.20.20	00	Bicycle speedometers	No	6%	Free (A+, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	110%
9029.20.40		Other speedometers and tachometers		Free		35%
	40	For use in civil aircraft[3/]	No.			
	80	Other	No.			
9029.20.60	00	Stroboscopes	No	16¢ each + 2.5%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	$4.50 each + 65%
9029.90		Parts and accessories:				
9029.90.20	00	Of taximeters	kg	5.3%	Free (A, AU, B, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	85%
9029.90.40	00	Of bicycle speedometers	kg	6%	Free (A+, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	110%
9029.90.60	00	Of stroboscopes	kg	3.2%	Free (A, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	65%
9029.90.80		Other		Free		35%
	40	Of speedometers and tachometers	kg			
	80	Other	kg			

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
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:				
9030.10.00	00	Instruments and apparatus for measuring or detecting ionizing radiations	No	Free		40%
9030.20		Oscilloscopes and oscillographs:				
9030.20.05	00	Specially designed for telecommunications	No	Free		40%
9030.20.10	00	Other oscilloscopes and oscillographs	No	Free		40%
		Other instruments and apparatus, for measuring or checking voltage, current, resistance or power (other than those for measuring or checking semiconductor wafers or devices):				
9030.31.00	00	Multimeters, without a recording device	No	Free		40%
9030.32.00	00	Multimeters, with a recording device	No	Free		40%
9030.33		Other, without a recording device:				
9030.33.34	00	Resistance measuring instruments	No	1.7%	Free (A*, AU, B, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
9030.33.38	00	Other	No	Free		40%
9030.39.01	00	Other, with a recording device	No	Free		40%
9030.40.00	00	Other instruments and apparatus, specially designed for telecommunications (for example, cross-talk meters, gain measuring instruments, distortion factor meters, psophometers)	No	Free		40%
		Other instruments and apparatus:				
9030.82.00	00	For measuring or checking semiconductor wafers or devices (including integrated circuits)	No	Free		40%
9030.84.00	00	Other, with a recording device	No	Free		40%
9030.89.01	00	Other	No	Free		40%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9030 (con.)		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: (con.)				
9030.90		Parts and accessories:				
		For articles of subheading 9030.10:				
9030.90.25	00	Printed circuit assemblies	No.	Free		40%
9030.90.46	00	Other	kg No.	Free		40%
		Other:				
		Printed circuit assemblies:				
9030.90.66	00	Of instruments and apparatus of subheading 9030.40 or 9030.82	No.	Free		40%
9030.90.68	00	Other	No.	Free		40%
		Other:				
9030.90.84	00	Of instruments and apparatus of subheading 9030.82	kg	Free		40%
9030.90.89		Other		Free		40%
	11	Of articles of subheading 9030.20	kg			
	21	Of articles of subheading 9030.31	kg			
	22	Of articles of subheading 9030.32	kg			
	23	Of articles of subheading 9030.33	kg			
	31	Of articles of subheading 9030.39	kg			
	40	Of articles of subheading 9030.40	kg			
	56	Of articles of subheading 9030.84	kg			
	61	Other	kg			

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9031		Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors; parts and accessories thereof:				
9031.10.00	00	Machines for balancing mechanical parts	No	Free		40%
9031.20.00	00	Test benches	No	1.7%	Free (A*, AU, BH, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	45%
		Other optical instruments and appliances:				
9031.41.00		For inspecting semiconductor wafers or devices (including integrated circuits) or for inspecting photomasks or reticles used in manufacturing semiconductor devices (including integrated circuits)		Free		50%
	20	For inspecting photomasks or reticles used in manufacturing semiconductor devices	No.			
		For inspecting semiconductor wafers or devices:				
	40	For wafers	No.			
	60	Other	No.			
9031.49		Other:				
9031.49.10	00	Profile projectors	No	Free		45%
9031.49.40	00	Coordinate-measuring machines	No	Free		50%
9031.49.70	00	For inspecting masks (other than photomasks) used in manufacturing semiconductor devices; for measuring surface particulate contamination on semiconductor devices	No	Free		50%
9031.49.90	00	Other	No	Free		50%
9031.80		Other instruments, appliances and machines:				
9031.80.40	00	Electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	No	Free		40%
9031.80.80		Other		Free[4/]		40%
		Equipment for testing the characteristics of internal combustion engines:				
	60	For testing electrical characteristics	kg			
	70	Other	kg			
	85	Other	kg			

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9031 (con.)		Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors; parts and accessories thereof: (con.)				
9031.90		Parts and accessories:				
9031.90.21	00	Of profile projectors	kg	Free		45%
		Of other optical instruments and appliances, other than test benches:				
9031.90.45	00	Bases and frames for the coordinate-measuring machines of subheading 9031.49.40	kg	Free		50%
9031.90.54	00	Of optical instruments and appliances of subheading 9031.41 or 9031.49.70	kg	Free		50%
9031.90.59	00	Other	kg	Free		50%
		Other:				
9031.90.70	00	Of articles of subheading 9031.80.40	kg	Free		40%
9031.90.91		Other		Free[2/]		40%
	30	Of machines for balancing mechanical parts	kg			
	60	Of test benches	kg			
	95	Other	kg			
9032		Automatic regulating or controlling instruments and apparatus; parts and accessories thereof:				
9032.10.00		Thermostats		1.7%	Free (A, AU, B, BH, C, CL, CO, D, E, IL, JO, JP, KR, MA, OM, P, PA, PE, S, SG)	40%
		For air conditioning, refrigeration or heating systems:				
	30	Designed for wall mounting	No.			
	60	Other	No.			
	90	Other	No.			
9032.20.00	00	Manostats	No	Free		35%

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9032 (con.)		Automatic regulating or controlling instruments and apparatus; parts and accessories thereof: (con.)				
		Other instruments and apparatus:				
9032.81.00		Hydraulic and pneumatic	.....	Free		35%
		Industrial process control instruments and apparatus:				
	20	Hydraulic	No.			
	60	Pneumatic	No.			
	80	Other	No.			
9032.89		Other:				
		Automatic voltage and voltage-current regulators:				
9032.89.20	00	Designed for use in a 6, 12 or 24 V system	No	1.1%	Free (A, AU, B, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	25%
9032.89.40	00	Other	No	1.7%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
9032.89.60		Other	.....	1.7%	Free (A, AU, B, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
		Control instruments for air conditioning, refrigeration or heating systems:				
	15	Complete systems	No.			
	25	Other	No.			
		Process control instruments and apparatus:				
	30	Complete systems	No.			
		Other:				
	40	Temperature control instruments	No.			
	50	Pressure and draft control instruments	No.			
	60	Flow and liquid level control instruments	No.			
	70	Humidity control instruments	No.			
	75	Other	kg			
	85	Other	kg			

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
9032 (con.)		Automatic regulating or controlling instruments and apparatus; parts and accessories thereof: (con.)				
9032.90		Parts and accessories:				
		Of automatic voltage and voltage-current regulators:				
9032.90.21	00	Designed for use in a 6, 12 or 24 V system	kg	1.1%	Free (A, AU, B, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	25%
9032.90.41	00	Other	kg	1.7%	Free (A, AU, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	35%
9032.90.61		Other		1.7%	Free (A, AU, B, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%
	20	Of thermostats	kg			
	40	Of manostats	kg			
	60	Of instruments and apparatus of subheading 9032.81	kg			
	80	Other	kg			
9033.00		Parts and accessories (not specified or included elsewhere in this chapter) for machines, appliances, instruments or apparatus of chapter 90:				
9033.00.20	00	Light-emitting diode (LED) backlights modules, the foregoing 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 backlights illumination for liquid crystal displays (LCDs)	No	Free		40%
9033.00.30	00	Touch-sensitive data input devices (so-called “touch screens”) without display capabilities, for incorporation into apparatus having a display, which function by detecting the presence and location of a touch within the display area (such sensing may be obtained by means of resistance, electrostatic capacity, acoustic pulse recognition, infrared lights or other touch-sensitive technology)	No	Free		40%
9033.00.90	00	Other	kg	4.4%	Free (A*, AU, B, BH, C, CL, CO, D, E, IL, JO, KR, MA, OM, P, PA, PE, S, SG)	40%

1/ See 9903.90.08.
2/ See U.S. note 19 to subchapter III, chapter 99.
3/ See General Note 6.
4/ See 9817.84.01.