

Chapter 90

Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; parts and accessories thereof

Notes.

1.- This Chapter does not cover :

- (a) Articles of a kind used in machines, appliances or for other technical uses, of vulcanised rubber other than hard rubber (heading 40.16), of leather or of composition leather (heading 42.05) or of textile material (heading 59.11);
- (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 69.03; ceramic wares for laboratory, chemical or other technical uses, of heading 69.09;
- (d) Glass mirrors, not optically worked, of heading 70.09, or mirrors of base metal or of precious metal, not being optical elements (heading 83.06 or Chapter 71);
- (e) Goods of heading 70.07, 70.08, 70.11, 70.14, 70.15 or 70.17;
- (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 90.21;**
- (g) Pumps incorporating measuring devices, of heading 84.13; weight-operated counting or checking machinery, or separately presented weights for balances (heading 84.23); lifting or handling machinery (headings 84.25 to 84.28); paper or paperboard cutting machines of all kinds (heading 84.41); fittings for adjusting work or tools on machine-tools, or water-jet cutting machines, of heading 84.66, 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 84.70); valves or other appliances of heading 84.81; machines and apparatus (including apparatus for the projection or drawing of circuit patterns on sensitized semiconductor materials) of heading 84.86;
- (h) Searchlights or spotlights of a kind used for cycles or motor vehicles (heading 85.12); portable electric lamps of heading 85.13; cinematographic sound recording, reproducing or re-recording apparatus (heading 85.19); sound-heads (heading 85.22); television cameras, digital cameras and video camera recorders (heading 85.25); radar apparatus, radio navigational aid apparatus or radio remote control apparatus (heading 85.26); connectors for optical fibres, optical fibre bundles or cables (heading 85.36); numerical control apparatus of heading 85.37; sealed beam lamp units of heading 85.39; optical fibre cables of heading 85.44;
- (i) Searchlights or spotlights of heading 94.05;
- (j) Articles of Chapter 95;
- (k) Monopods, bipods, tripods and similar articles, of heading 96.20;
- (l) Capacity measures, which are to be classified according to their constituent material; or
- (m) Spools, reels or similar supports (which are to be classified according to their constituent material, for example, in heading 39.23 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 84.87, 85.48 or 90.33) 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 90.10, 90.13 or 90.31) 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 90.33.

3.- The provisions of Notes 3 and 4 to Section XVI apply also to this Chapter.

4.- Heading 90.05 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 90.13.

5.- Measuring or checking optical instruments, appliances or machines which, but for this Note, could be classified both in heading 90.13 and in heading 90.31 are to be classified in heading 90.31.

6.- For the purposes of heading 90.21, the expression "orthopaedic appliances" means appliances for :

- Preventing or correcting bodily deformities; or
- Supporting or holding parts of the body following an illness, operation or injury.

Orthopaedic appliances include footwear and special insoles designed to correct orthopaedic conditions, provided that they are either (1) made to measure or (2) mass-produced, presented singly and not in pairs and designed to fit either foot equally.

7.- Heading 90.32 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

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90.01		Optical fibres and optical fibre bundles; optical fibre cables other than those of heading 85.44; sheets and plates of polarising material; lenses (including contact lenses), prisms, mirrors and other optical elements, of any material, un-mounted, other than such elements of glass not optically worked.																				
	9001.10	- Optical fibres, optical fibre bundles and cables	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9001.20	- Sheets and plates of polarising material	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9001.30	- Contact lenses	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9001.40	- Spectacle lenses of glass	u												20%	Ex	10%	10%		2.5%		
	9001.50	- Spectacle lenses of other materials :																				
	9001.50.10	--- Un-worked (blanks)	u											Free	Free	Ex	10%			2.5%		
	9001.50.90	--- Worked	u												20% or Rs.100/= per pair	Ex	10%	10% or Rs.40/= per pair		2.5%		
	9001.90	- Other	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.02		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.																				
		- Objective lenses :																				
	9002.11	-- For cameras, projectors or photographic enlargers or reducers	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9002.19	-- Other	kg						Free	Free		5%	4.5%		15%	Ex	10%			2.5%		
	9002.20	- Filters	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9002.90	- Other	kg						Free	Free		5%	4.5%	12.5%	15%	Ex	Ex			2.5%		
90.03		Frames and mountings for spectacles, goggles or the like, and parts thereof.																				

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		-	Frames and mountings :																				
	9003.11	--	Of plastics	u												20%	Ex	10%	10%		2.5%		
	9003.19	--	Of other materials :																				
	9003.19.10	---	Frames for spectacles, mainly of metal	u												20% or Rs.100/= per pair	Ex	10%			2.5%		
	9003.19.90	---	Other	u												20%	Ex	10%	10%		2.5%		
	9003.90	-	Parts :																				
	9003.90.10	---	Hinges and re-enforcing wire arms	kg									Free	Free	Free	Free	Ex	Ex			2.5%		
	9003.90.90	---	Other	kg									Free	Free	Free	Free	Ex	Ex			2.5%		
90.04			Spectacles, goggles and the like, corrective, protective or other.																				
	9004.10	-	Sunglasses	u									Free	Free	Free	20%	15%	Ex		100%	2.5%		
	9004.90	-	Other	u							Free		Free	Free	Free	Free	Ex	Ex			2.5%		
90.05			Binoculars, monoculars, other optical telescopes, and mountings therefor; other astronomical instruments and mountings therefor, but not including instruments for radio-astronomy.																				
	9005.10	-	Binoculars	u						Free	Free		5%	4.5%		15%	Ex	10%			2.5%		
	9005.80	-	Other instruments	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9005.90	-	Parts and accessories (including mountings)	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		

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90.06		Photographic (other than cinematographic) cameras; photographic flashlight apparatus and flashbulbs other than discharge lamps of heading 85.39.																				
	9006.30	- 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	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9006.40	- Instant print cameras	u		Free				Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
		- Other cameras :																				
	9006.51.00	-- With a through the lens viewfinder (single-lens reflex (SLR)), for roll film of a width not exceeding 35 mm	u		Free				Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9006.52	-- Other, for roll film of a width less than 35 mm :																				
	9006.52.10	--- Cameras of a kind used for recording documents on microfilm, microfiche or other microforms	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9006.52.90	--- Other-	u		Free				Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9006.53	-- Other, for roll film of a width of 35 mm :																				
	9006.53	-- For roll film of a width of 35 mm							Free	Free		Free	Free	Free	Free							
	9006.53.10	--- Cameras of a kind used for recording documents on microfilm, microfiche or other microforms	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9006.53.20	--- Other used single-used cameras	u		Free				Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9006.53.90	--- Other	u		Free				Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9006.59	-- Other :																				
	9006.59.10	--- Cameras of a kind used for recording documents on microfilm, microfiche or other microforms	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9006.59.90	--- Other	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
		- Photographic flashlight apparatus and flashbulbs :																				
	9006.61	-- Discharge lamp ("electronic") flashlight apparatus	u						Free	Free		5%	4.5%	12.5%	15%	Ex	Ex			2.5%		
	9006.69	-- Other	u						Free	Free		5%	4.5%	12.5%	15%	Ex	Ex			2.5%		
		- Parts and accessories :																				
	9006.91	-- For cameras	kg						Free	Free		10.83%	4.5%	12.5%	15%	Ex	10%			2.5%		
	9006.99	-- Other	kg						Free	Free		5%	4.5%	12.5%	15%	Ex	Ex			2.5%		
90.07		Cinematographic cameras and projectors, whether or not incorporating sound recording or reproducing apparatus.																				
	9007.10	- Cameras:																				
	9007.10.10	--- For film of less than 16 mm width or for double-8 mm film	u						Free	Free		5%	4.5%	12.5%	15%	15%	Ex			2.5%		
	9007.10.90	--- Other	u						Free	Free		Free	Free	Free	Free	15%	Ex			2.5%		

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	9007.20	- Projectors :																				
	9007.20.10	--- For film of less than 16 mm width	u						Free	Free		5%	4.5%	12.5%	15%	15%	Ex			2.5%		
	9007.20.90	--- Other	u						Free	Free		Free	Free	Free	Free	15%	10%			2.5%		
		- Parts and accessories :																				
	9007.91	-- For cameras	kg						Free	Free		Free	Free	Free	Free	15%	10%			2.5%		
	9007.92	-- For projectors	kg						Free	Free		Free	Free	Free	Free	15%	10%			2.5%		
90.08		Image projectors, other than cinematographic; photographic (other than cinematographic) enlargers and reducers.																				
	9008.50	- Projectors, enlargers and reducers	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9008.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
[90.09]																						
90.10		Apparatus and equipment for photographic (including cinematographic) laboratories, not specified or included elsewhere in this Chapter; negatoscopes; projection screens.																				
	9010.10	- Apparatus and equipment for automatically developing photographic (including cinematographic) film or paper in rolls or for automatically exposing developed films to rolls of photographic paper	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9010.50	- Other, apparatus and equipment for photographic (including cinematographic) laboratories; negatoscopes :																				
	9010.50.10	--- Apparatus and equipment for cinematographic laboratories	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9010.50.90	--- Other	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9010.60	- Projection screens	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9010.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.11		Compound optical microscopes, including those for photomicrography, cinephotomicrography or microprojection.																				
	9011.10	- Stereoscopic microscopes	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		

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	9011.20	- Other microscopes, for photomicrography, cinephotomicrography or microprojection	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9011.80	- Other microscopes	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9011.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.12		Microscopes other than optical microscopes; diffraction apparatus.																				
	9012.10	- Microscopes other than optical microscopes; diffraction apparatus	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9012.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
90.13		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.																				
90.13		Lasers, other than laser diodes; other optical appliances and instruments, not specified or included elsewhere in this Chapter.																				
	9013.10	- Telescopic sights for fittings to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of this Chaptr or Section XVI	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9013.20	- Lasers, other than laser diodes	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9013.80	- Other devices, appliances and instruments	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9013.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.14		Direction finding compasses; other navigational instruments and appliances.																				
	9014.10	- Direction finding compasses	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9014.20	- Instruments and appliances for aeronautical or space navigation (other than compasses)	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9014.80	- Other instruments and appliances	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9014.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		

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90.15		Surveying (including photogrammetrical surveying), hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances, excluding compasses; rangefinders.																				
	9015.10	- Rangefinders	u						Free	Free		Free		Free	Free	Ex	10%			2.5%		
	9015.20	- Theodolites and tachymeters (tachometers)	u						Free	Free		Free		Free	Free	Ex	10%			2.5%		
	9015.30	- Levels	u						Free	Free		Free		Free	Free	Ex	10%			2.5%		
	9015.40	- Photogrammetrical surveying instruments and appliances	kg						Free	Free		Free		Free	Free	Ex	10%			2.5%		
	9015.80	- Other instruments and appliances	u						Free	Free		Free		Free	Free	Ex	10%			2.5%		
	9015.90	- Parts and accessories	kg						Free	Free		Free		Free	Free	Ex	10%			2.5%		
90.16	9016.00	Balances of a sensitivity of 5 cg or better, with or without weights.	kg		Free				Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.17		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.																				
	9017.10	- Drafting tables and machines, whether or not automatic	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9017.20	- Other drawing, marking-out or mathematical calculating instruments:																				
	9017.20.10	--- Protractors (radius 10 cm and below)	u										5%		20%	Ex	Ex	10%		2.5%		
	9017.20.20	--- Rulers 30 cm and below	u										5%		20%	Ex	10%	10%		2.5%		
	9017.20.30	--- Triangular set squares shortest side 17.5 cm or below	u										5%		20%	Ex	Ex	10%		2.5%		
	9017.20.40	--- Dividers and compasses	u										5%		20%	Ex	10%	10%		2.5%		
	9017.20.50	--- Sets of mathematical instruments used by school children, with a ruler not exceeding 15 cm packed in metal or plastic	u										5%		20%	Ex	10%	10%		2.5%		
	9017.20.90	--- Other	u										Free	Free	Free	Ex	10%			2.5%		
	9017.30	- Micrometers, callipers and gauges	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9017.80	- Other instruments (+)	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9017.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		

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90.18		Instruments and appliances used in medical, surgical, dental or veterinary sciences, including scintigraphic apparatus, other electro-medical apparatus and sight-testing instruments.																				
		- Electro-diagnostic apparatus (including apparatus for functional exploratory examination or for checking physiological parameters) :																				
	9018.11	-- Electro-cardiographs	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.12	-- Ultrasonic scanning apparatus	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.13	-- Magnetic resonance imaging apparatus	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.14	-- Scintigraphic apparatus	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.19	-- Other	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.20	- Ultra-violet or infra-red ray apparatus	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
		- Syringes, needles, catheters, cannulae and the like :																				
	9018.31	-- Syringes, with or without needles	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.32	-- Tubular metal needles and needles for sutures	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.39	-- Other	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
		- Other instruments and appliances, used in dental sciences :																				
	9018.41	-- Dental drill engines, whether or not combined on a single base with other dental equipment	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.49	-- Other	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.50	- Other ophthalmic instruments and appliances	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9018.90	- Other instruments and appliances	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		

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90.19		Mechano-therapy appliances; massage apparatus; psychological aptitude-testing apparatus; ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic respiration apparatus.																				
	9019.10	- Mechano-therapy appliances; massage apparatus, psychological aptitude-testing apparatus	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9019.20	- Ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic respiration apparatus	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.20	9020.00	Other breathing appliances and gas masks, excluding protective masks having neither mechanical parts nor replaceable filters.	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.21		Orthopaedic appliances, including crutches, surgical belts and trusses; splints and other fracture appliances; artificial parts of the body; hearing aids and other appliances which are worn or carried or implanted in the body, to compensate for a defect or disability.																				
	9021.10	- Orthopaedic or fracture appliances	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
		- Artificial teeth and dental fittings :																				
	9021.21	-- Artificial teeth	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9021.29	-- Other	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
		- Other artificial parts of the body :																				
	9021.31	-- Artificial joints	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9021.39	-- Other	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9021.40	- Hearing aids, excluding parts and accessories	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9021.50	- Pacemakers for stimulating heart muscles, excluding parts and accessories	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9021.90	- Other	kg						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		

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90.22		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(+).																				
90.22		Apparatus based on the use of X-rays or of alpha, beta, gamma or other ionising 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.																				
		- 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	-- Computed tomography apparatus	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9022.13	-- Other, for dental uses	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9022.14	-- Other, for medical, surgical, or veterinary uses	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9022.19	-- For other uses	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
		- 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 :																				
		- Apparatus based on the use of alpha, beta, gamma or other ionising radiations, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus :																				
	9022.21	-- For medical, surgical, dental or veterinary uses	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9022.29	-- For other uses	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9022.30	- X-ray tubes	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9022.90	- Other, including parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		

HS Hdq	HS Code	Description	Unit	ICL/SLST	AP	AD	BN	GT	IN	PK	SA	SF	SD	SG	Gen Duty	VAT	PAL	Cess	Surcharge on Customs Duty	SSCL	SCL
90.23	9023.00	Instruments, apparatus and models, designed for demonstrational purposes (for example, in education or exhibitions), unsuitable for other uses.	kg						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%	
90.24		Machines and appliances for testing the hardness, strength, compressibility, elasticity or other mechanical properties of materials (for example, metals, wood, textiles, paper, plastics).																			
	9024.10	- Machines and appliances for testing metals	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9024.80	- Other machines and appliances	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9024.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
90.25		Hydrometers and similar floating instruments, thermometers, pyrometers, barometers, hydrometers and psychrometers, recording or not, and any combination of these instruments.																			
		- Thermometers and pyrometers, not combined with other instruments :																			
	9025.11	-- Liquid-filled, for direct reading	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9025.19	-- Other	u		Free				Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9025.80	- Other instruments :																			
	9025.80.10	---- Instruments for testing of milk	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9025.80.90	---- Other	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9025.90	- Parts and accessories	kg		Free				Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
90.26		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 90.14, 90.15, 90.28 or 90.32.																			
	9026.10	- For measuring or checking the flow or level of liquids	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9026.20	- For measuring or checking pressure	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9026.80	- Other instruments or apparatus	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	
	9026.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%	

HS Hdq	HS Code	Description	Unit	ICL/ SLSI	AP	AD	BN	GT	IN	PK	SA	SF	SD	SG	Gen Duty	VAT	PAL	Cess	Surcharge on Customs Duty	SSCL	S C	L
90.27		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.																				
	9027.10	- Gas or smoke analysis apparatus	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9027.20	- Chromatographs and electrophoresis instruments	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9027.30	- Spectrometers, spectrophotometers and spectrographs using optical radiations (UV, visible, IR)	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9027.50	- Other instruments and apparatus using optical radiation (UV, visible, IR)	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9027.80.00	- Other instruments and apparatus	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
		- Other instruments and apparatus :																				
	9027.81	-- Mass spectrometers	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9027.89	-- Other	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9027.90	- Microtomes; parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.28		Gas, liquid or electricity supply or production meters, including calibrating meters therefor.																				
	9028.10	- Gas meters	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9028.20	- Liquid meters	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9028.30	- Electricity meters	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9028.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.29		Revolution counters, production counters, taximeters, mileometers, pedometers and the like; speed indicators and tachometers, other than those of heading 90.14 or 90.15; stroboscopes.																				
	9029.10	- Revolution counters, production counters, taximeters, mileometers, pedometers and the like:																				
	9029.10.10	--- Taximeters	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9029.10.90	--- Other	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9029.20	- Speed indicators and tachometers; stroboscopes	u						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
	9029.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		

HS Hdq	HS Code	Description	Unit	ICL/ SLSI	AP	AD	BN	GT	IN	PK	SA	SF	SD	SG	Gen Duty	VAT	PAL	Cess	Surcharge on Customs Duty	SSCL	S C	L
90.30		Oscilloscopes, spectrum analysers and other instruments and apparatus for measuring or checking electrical quantities, excluding meters of heading 90.28; instruments and apparatus for measuring or detecting alpha, beta, gamma, X-ray, cosmic or other ionising radiations.																				
	9030.10	- Instruments and apparatus for measuring or detecting ionising radiations	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9030.20	- Oscilloscopes and oscillographs	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
		- Other instruments and apparatus, for measuring or checking voltage, current, resistance or power :																				
		- 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	-- Multimeters without a recording device	u						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
	9030.32	-- Multimeters with a recording device	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9030.33	-- Other, without a recording device	u		Free				Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
	9030.39	-- Other, with a recording device	u						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
	9030.40	- Other instruments and apparatus, specially designed for telecommunications (for example, cross-talk meters, gain measuring instruments, distortion factor meters, psophometers)	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
		- Other instruments and apparatus :																				
	9030.82.00	-- For measuring or checking semiconductor wafers or devices	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9030.82	-- For measuring or checking semiconductor wafers or devices (including integrated circuits)	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9030.84	-- Other, with a recording device	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9030.89	-- Other	u						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
	9030.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.31		Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this Chapter; profile projectors(+).																				
	9031.10	- Machines for balancing mechanical parts	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9031.20	- Test benches	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
		- Other optical instruments and appliances :																				
	9031.41.00	-- For inspecting semiconductor wafers or devices or for inspecting photomasks or reticles used in manufacturing semiconductor devices	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		

HS Hdg	HS Code	Description	Unit	ICL/ SLSI	AP	AD	BN	GT	IN	PK	SA	SF	SD	SG	Gen Duty	VAT	PAL	Cess	Surcharge on Customs Duty	SSCL	S C	L
	9031.41	-- For inspecting semiconductor wafers or devices (including integrated circuits) or for inspecting photomasks or reticles used in manufacturing semiconductor devices (including integrated circuits)	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9031.49	-- Other	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9031.80	- Other instruments, appliances and machines	u						Free	Free		Free	Free	Free	Free	Ex	Ex			2.5%		
	9031.90	- Parts and accessories	kg		Free				Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
90.32		Automatic regulating or controlling instruments and apparatus.																				
	9032.10	- Thermostats	u						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
	9032.20	- Manostats	u						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
		- Other instruments and apparatus :																				
	9032.81	-- Hydraulic or pneumatic	u						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
	9032.89	-- Other :																				
	9032.89.10	--- Apparatus for regulating the charging of accumulators using direct current generated from solar energy, and for distributing direct current ["Charge Controllers" and the like]	u						Free	Free		Free	Free	Free	Free	Ex	Ex			Ex		
	9032.89.90	--- Other	u						Free	Free		Free	Free	Free	Free	Ex	10%			2.5%		
	9032.90	- Parts and accessories	kg						Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		
90.33	9033.00	Parts and accessories (not specified or included elsewhere in this Chapter) for machines, appliances, instruments or apparatus of Chapter 90.	kg		Free				Free	Free		Free	Free	Free	Free	Ex	5%			2.5%		