

SECTION XVI

**Machinery and mechanical appliances;
electrical equipment; parts thereof;
sound recorders and reproducers,
television image and sound recorders
and reproducers, and parts and
accessories of such articles**

Notes.

1.- This Section does not cover:

- (a) Transmission or conveyor belts or belting, of plastics of Chapter 39, or of vulcanised rubber (4010); or other articles of a kind used in machinery or mechanical or electrical appliances or for other technical uses, of vulcanised rubber other than hard rubber (4016);
- (b) Articles of leather or of composition leather (4205) or of furskin (4303), of a kind used in machinery or mechanical appliances or for other technical uses;
- (c) Bobbins, spools, cops, cones, cores, reels or similar supports, of any material (for example, Chapter 39, 40, 44 or 48 or Section XV);
- (d) Perforated cards for Jacquard or similar machines (for example, Chapter 39 or 48 or Section XV);
- (e) Transmission or conveyor belts or belting, of textile material (5910.00.00) or other articles of textile material for technical uses (5911);
- (f) Precious or semi-precious stones (natural, synthetic or reconstructed) of 7102 to 7104, or articles wholly of such stones of 7116, except unmounted worked sapphires and diamonds for styli (8522);
- (g) Parts of general use, as defined in Note 2 to Section XV, of base metal (Section XV), or similar goods of plastics (Chapter 39);
- (h) Drill pipe (7304);
- (ij) Endless belts of metal wire or strip (Section XV);
- (k) Articles of Chapter 82 or 83;
- (l) Articles of Section XVII;
- (m) Articles of Chapter 90;
- (n) Clocks, watches or other articles of Chapter 91;
- (o) Interchangeable tools of 8207 or brushes of a kind used as parts of machines (9603); similar interchangeable tools are to be classified according to the constituent material of their working part (for example, in Chapter 40, 42, 43, 45 or 59 or 6804 or 6909);
- (p) Articles of Chapter 95; or
- (q) Typewriter or similar ribbons, whether or not on spools or in cartridges (classified according to their constituent material, or in 9612 if inked or otherwise prepared for giving impressions), or monopods, bipods, tripods and similar articles, of 9620.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16/2

- 2.- Subject to Note 1 to this Section, Note 1 to Chapter 84 and Note 1 to Chapter 85, parts of machines (not being parts of the articles of 8484, 8544, 8545, 8546 or 8547) are to be classified according to the following rules:
- (a) Parts which are goods included in any of the headings of Chapter 84 or 85 (other than 8409, 8431, 8448, 8466, 8473, 8487, 8503.00.00, 8522, 8529, 8538 and 8548) are in all cases to be classified in their respective headings;
 - ★ (b) Other parts, if suitable for use solely or principally with a particular kind of machine, or with a number of machines of the same heading (including a machine of 8479 or 8543) are to be classified with the machines of that kind or in 8409, 8431, 8448, 8466, 8473, 8503.00.00, 8522, 8529 or 8538 as appropriate. However, parts which are equally suitable for use principally with the goods of 8517 and 8525 to 8528 are to be classified in 8517, and parts which are suitable for use solely or principally with the goods of 8524 are to be classified in 8529;
 - (c) All other parts are to be classified in 8409, 8431, 8448, 8466, 8473, 8503.00.00, 8522, 8529 or 8538 as appropriate or, failing that, in 8487 or 8548.
- 3.- Unless the context otherwise requires, composite machines consisting of two or more machines fitted together to form a whole and other machines designed for the purpose of performing two or more complementary or alternative functions are to be classified as if consisting only of that component or as being that machine which performs the principal function.
- 4.- Where a machine (including a combination of machines) consists of individual components (whether separate or interconnected by piping, by transmission devices, by electric cables or by other devices) intended to contribute together to a clearly defined function covered by one of the headings in Chapter 84 or Chapter 85, then the whole falls to be classified in the heading appropriate to that function.
- 5.- For the purposes of these Notes, "machine" means any machine, machinery, plant, equipment, apparatus or appliance cited in the headings of Chapter 84 or 85.
- ★ 6.- (A) Throughout this Schedule, "electrical and electronic waste and scrap" means electrical and electronic assemblies, printed circuit boards, and electrical or electronic articles that:
- (i) have been rendered unusable for their original purposes by breakage, cutting-up or other processes or are economically unsuitable for repair, refurbishment or renovation to render them fit for their original purposes; and
 - (ii) are packaged or shipped in a manner not intended to protect individual articles from damage during transportation, loading and unloading operations.
- (B) Mixed consignments of "electrical and electronic waste and scrap" and other waste and scrap are to be classified in 8549.
- (C) This Section does not cover municipal waste, as defined in Note 4 to Chapter 38.

Additional Notes.

- 1.- In this Section, "computer control" means a controlling unit that incorporates at least one electronic microcircuit that is part of the microcircuitry of the controlling unit, being microcircuitry that enables the unit:
- (a) to store and process, or manipulate, data;
 - (b) when programmed, to automatically control the operation of the appliance, machine or apparatus independently of human control;
 - (c) to wholly or substantially control the operation and movement of the appliance, machine or apparatus by the use of a numeric-servo closed loop; and
 - (d) to be re-programmable in respect of the unit's control of the appliance, machine or apparatus.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16/3

- 2.- For the purposes of Note 2(a) to this Section, "respective headings" does not include headings in which goods are classifiable as parts.
- 3.- For the purposes of Note 2(b) to this Section, "with the machines of that kind" means in the same heading as those machines unless there is a separate heading for parts of or for those machines (not being 8487 or 8548).
- 4.- "Accessories" in 8448, 8466, 8473 or 8522 does not apply to goods which are otherwise described in any of the headings of Chapters 84 and 85.

1/1/17

CHAPTER 84

**Nuclear reactors, boilers, machinery
and mechanical appliances; parts thereof**

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- 8401 Nuclear reactors; fuel elements (cartridges), non-irradiated, for nuclear reactors; machinery and apparatus for isotopic separation
 - 8402 Steam or other vapour generating boilers (other than central heating hot water boilers capable also of producing low pressure steam); super-heated water boilers
 - 8403 Central heating boilers other than those of 8402
 - 8404 Auxiliary plant for use with boilers of 8402 or 8403 (for example, economisers, super-heaters, soot removers, gas recoverers); condensers for steam or other vapour power units
 - 8405 Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their purifiers
 - 8406 Steam turbines and other vapour turbines
 - 8407 Spark-ignition reciprocating or rotary internal combustion piston engines
 - 8408 Compression-ignition internal combustion piston engines (diesel or semi-diesel engines)
 - 8409 Parts suitable for use solely or principally with the engines of 8407 or 8408
 - 8410 Hydraulic turbines, water wheels, and regulators therefor
 - 8411 Turbo-jets, turbo-propellers and other gas turbines
 - 8412 Other engines and motors
 - 8413 Pumps for liquids, whether or not fitted with a measuring device; liquid elevators
 - ★ 8414 Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; gas-tight biological safety cabinets, whether or not fitted with filters
 - 8415 Air conditioning machines, comprising a motor-driven fan and elements for changing the temperature and humidity, including those machines in which the humidity cannot be separately regulated
 - 8416 Furnace burners for liquid fuel, for pulverised solid fuel or for gas; mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances
 - 8417 Industrial or laboratory furnaces and ovens, including incinerators, non-electric
 - 8418 Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps other than air conditioning machines of 8415
 - 8419 Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of 8514), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes; instantaneous or storage water heaters, non-electric
 - 8420 Calendering or other rolling machines, other than for metals or glass, and cylinders therefor
 - 8421 Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus for liquids or gases

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 84/2**

- 8422 Dish washing machines; machinery for cleaning or drying bottles or other containers; machinery for filling, closing, sealing or labelling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles, jars, tubes and similar containers; other packing or wrapping machinery (including heat-shrink wrapping machinery); machinery for aerating beverages
- 8423 Weighing machinery (excluding balances of a sensitivity of 5 cg or better), including weight operated counting or checking machines; weighing machine weights of all kinds
- 8424 Mechanical appliances (whether or not hand-operated) for projecting, dispersing or spraying liquids or powders; fire extinguishers, whether or not charged; spray guns and similar appliances; steam or sand blasting machines and similar jet projecting machines
- 8425 Pulley tackle and hoists other than skip hoists; winches and capstans; jacks
- 8426 Ships' derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane
- 8427 Fork-lift trucks; other works trucks fitted with lifting or handling equipment
- 8428 Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics)
- 8429 Self-propelled bulldozers, angledozers, graders, levellers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers
- 8430 Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-extractors; snow-ploughs and snow-blowers
- 8431 Parts suitable for use solely or principally with the machinery of 8425 to 8430
- 8432 Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers
- 8433 Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of 8437
- 8434 Milking machines and dairy machinery
- 8435 Presses, crushers and similar machinery used in the manufacture of wine, cider, fruit juices or similar beverages
- 8436 Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment; poultry incubators and brooders
- 8437 Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables; machinery used in the milling industry or for the working of cereals or dried leguminous vegetables, other than farm-type machinery
- ★ 8438 Machinery, not specified or included elsewhere in this Chapter, for the industrial preparation or manufacture of food or drink, other than machinery for the extraction or preparation of animal or fixed vegetable or microbial fats or oils
- 8439 Machinery for making pulp of fibrous cellulosic material or for making or finishing paper or paperboard
- 8440 Book-binding machinery, including book-sewing machines
- 8441 Other machinery for making up paper pulp, paper or paperboard, including cutting machines of all kinds

**CUSTOMS TARIFF
SCHEDULE 3**

R.5

**Section 16
Chapter 84/3**

- 8442 Machinery, apparatus and equipment (other than the machine-tools of 8456 to 8465) for preparing or making plates, cylinders or other printing components; plates, cylinders and other printing components; plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished)
- 8443 Printing machinery used for printing by means of plates, cylinders and other printing components of 8442; other printers, copying machines and facsimile machines, whether or not combined; parts and accessories thereof
- 8444 Machines for extruding, drawing, texturing or cutting man-made textile materials
- 8445 Machines for preparing textile fibres; spinning, doubling or twisting machines and other machinery for producing textile yarns; textile reeling or winding (including weft-winding) machines and machines for preparing textile yarns for use on the machines of 8446 or 8447
- 8446 Weaving machines (looms)
- 8447 Knitting machines, stitch-bonding machines and machines for making gimped yarn, tulle, lace, embroidery, trimmings, braid or net and machines for tufting
- 8448 Auxiliary machinery for use with machines of 8444.00.00, 8445, 8446 or 8447 (for example, dobbies, Jacquards, automatic stop motions, shuttle changing mechanisms); parts and accessories suitable for use solely or principally with the machines of this heading or of 8444.00.00, 8445, 8446 or 8447 (for example, spindles and spindle flyers, card clothing, combs, extruding nipples, shuttles, healds and heald-frames, hosiery needles)
- 8449 Machinery for the manufacture or finishing of felt or nonwovens in the piece or in shapes, including machinery for making felt hats; blocks for making hats
- 8450 Household or laundry-type washing machines, including machines which both wash and dry
- 8451 Machinery (other than machines of 8450) for washing, cleaning, wringing, drying, ironing, pressing (including fusing presses), bleaching, dyeing, dressing, finishing, coating or impregnating textile yarns, fabrics or made up textile articles and machines for applying the paste to the base fabric or other support used in the manufacture of floor coverings such as linoleum; machines for reeling, unreeling, folding, cutting or pinking textile fabrics
- 8452 Sewing machines, other than book-sewing machines of 8440; furniture, bases and covers specially designed for sewing machines; sewing machine needles
- 8453 Machinery for preparing, tanning or working hides, skins or leather or for making or repairing footwear or other articles of hides, skins or leather, other than sewing machines
- 8454 Converters, ladles, ingot moulds and casting machines, of a kind used in metallurgy or in metal foundries
- 8455 Metal-rolling mills and rolls therefor
- 8456 Machine-tools for working any material by removal of material, by laser or other light or photon beam, ultrasonic, electro-discharge, electro-chemical, electron beam, ionic-beam or plasma arc processes
- 8457 Machining centres, unit construction machines (single station) and multi-station transfer machines, for working metal
- 8458 Lathes (including turning centres) for removing metal
- 8459 Machine-tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, other than lathes (including turning centres) of 8458
- 8460 Machine-tools for deburring, sharpening, grinding, honing, lapping, polishing or otherwise finishing metal or cermets by means of grinding stones, abrasives or polishing products, other than gear cutting, gear grinding or gear finishing machines of 8461
- 8461 Machine-tools for planing, shaping, slotting, broaching, gear cutting, gear grinding or gear finishing, sawing, cutting-off and other machine-tools working by removing metal or cermets, not elsewhere specified or included

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 84/4**

- ★ 8462 Machine-tools (including presses) for working metal by forging, hammering or die forging (excluding rolling mills); machine-tools (including presses, slitting lines and cut-to-length lines) for working metal by bending, folding, straightening, flattening, shearing, punching, notching or nibbling (excluding draw-benches); presses for working metal or metal carbides, not specified above
- 8463 Other machine-tools for working metal or cermets, without removing material
- 8464 Machine-tools for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold working glass
- 8465 Machine-tools (including machines for nailing, stapling, glueing or otherwise assembling) for working wood, cork, bone, hard rubber, hard plastics or similar hard materials
- 8466 Parts and accessories suitable for use solely or principally with the machines of 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine-tools; tool holders for any type of tool for working in the hand
- 8467 Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or non-electric motor
- 8468 Machinery and apparatus for soldering, brazing or welding, whether or not capable of cutting, other than those of 8515; gas-operated surface tempering machines and appliances
- 8469 Typewriters other than printers of 8443; word-processing machines
- 8470 Calculating machines and pocket-size data recording, reproducing and displaying machines with calculating functions; accounting machines, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device; cash registers
- 8471 Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included
- 8472 Other office machines (for example, hectograph or stencil duplicating machines, addressing machines, automatic banknote dispensers, coin-sorting machines, coin-counting or wrapping machines, pencil-sharpening machines, perforating or stapling machines)
- 8473 Parts and accessories (other than covers, carrying cases and the like) suitable for use solely or principally with the machines of 8469 to 8472
- 8474 Machinery for sorting, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone, ores or other mineral substances, in solid (including powder or paste) form; machinery for agglomerating, shaping or moulding solid mineral fuels, ceramic paste, unhardened cements, plastering materials or other mineral products in powder or paste form; machines for forming foundry moulds of sand
- 8475 Machines for assembling electric or electronic lamps, tubes or valves or flash-bulbs, in glass envelopes; machines for manufacturing or hot working glass or glassware
- 8476 Automatic goods-vending machines (for example, postage stamp, cigarette, food or beverage machines), including money-changing machines
- 8477 Machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in this Chapter
- 8478 Machinery for preparing or making up tobacco, not specified or included elsewhere in this Chapter
- 8479 Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter
- 8480 Moulding boxes for metal foundry; mould bases; moulding patterns; moulds for metal (other than ingot moulds), metal carbides, glass, mineral materials, rubber or plastics
- 8481 Taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves
- 8482 Ball or roller bearings

**CUSTOMS TARIFF
SCHEDULE 3**

R.6

**Section 16
Chapter 84/5**

- 8483 Transmission shafts (including cam shafts and crank shafts) and cranks; bearing housings and plain shaft bearings; gears and gearing; ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pulleys, including pulley blocks; clutches and shaft couplings (including universal joints)
- 8484 Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal; sets or assortments of gaskets and similar joints, dissimilar in composition, put up in pouches, envelopes or similar packings; mechanical seals
- ★ 8485 Machines for additive manufacturing
- ★ 8486 Machines and apparatus of a kind used solely or principally for the manufacture of semiconductor boules or wafers, semiconductor devices, electronic integrated circuits or flat panel displays; machines and apparatus specified in Note 11(c) to this Chapter; parts and accessories
- 8487 Machinery parts, not containing electrical connectors, insulators, coils, contacts or other electrical features, not specified or included elsewhere in this Chapter
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Notes.

- 1.- This Chapter does not cover:
- (a) Millstones, grindstones or other articles of Chapter 68;
 - (b) Machinery or appliances (for example, pumps) of ceramic material and ceramic parts of machinery or appliances of any material (Chapter 69);
 - (c) Laboratory glassware (7017); machinery, appliances or other articles for technical uses or parts thereof, of glass (7019 or 7020);
 - (d) Articles of 7321 or 7322 or similar articles of other base metals (Chapters 74 to 76 or 78 to 81);
 - (e) Vacuum cleaners of 8508;
 - (f) Electro-mechanical domestic appliances of 8509; digital cameras of 8525;
 - (g) Radiators for the articles of Section XVII; or
 - (h) Hand-operated mechanical floor sweepers, not motorised (9603).
- ★ 2.- Subject to the operation of Note 3 to Section XVI and subject to Note 11 to this Chapter, a machine or appliance which answers to a description in one or more of 8401 to 8424, or 8486 and at the same time to a description in one or more of 8425 to 8480 is to be classified under the appropriate heading of the former group or under 8486, as the case may be, and not the latter group.
- (A) 8419 does not, however, cover:
- (i) Germination plant, incubators or brooders (8436);
 - (ii) Grain dampening machines (8437);
 - (iii) Diffusing apparatus for sugar juice extraction (8438);
 - (iv) Machinery for the heat-treatment of textile yarns, fabrics or made up textile articles (8451); or
 - (v) Machinery, plant or laboratory equipment, designed for a mechanical operation, in which a change of temperature, even if necessary, is subsidiary.
- (B) 8422 does not cover:
- (i) Sewing machines for closing bags or similar containers (8452); or
 - (ii) Office machinery of 8472.

★ Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 84/6**

(C) 8424 does not cover:

- (i) Ink-jet printing machines (8443); or
- (ii) Water-jet cutting machines (8456).

3.- A machine-tool for working any material which answers to a description in 8456 and at the same time to a description in 8457, 8458, 8459, 8460, 8461, 8464 or 8465 is to be classified in 8456.

4.- 8457 applies only to machine-tools for working metal, other than lathes (including turning centres), which can carry out different types of machining operations either:

- (a) by automatic tool change from a magazine or the like in conformity with a machining programme (machining centres),
- (b) by the automatic use, simultaneously or sequentially, of different unit heads working on a fixed position workpiece (unit construction machines, single station), or
- (c) by the automatic transfer of the workpiece to different unit heads (multi-station transfer machines).

★ 5.- For the purposes of 8462, a "slitting line" for flat products is a processing line composed of an uncoiler, a coil flattener, a slitter and a recoiler. A "cut-to-length line" for flat products is a processing line composed of an uncoiler, a coil flattener, and a shear.

★ 6.- (A) For the purposes of 8471, "automatic data processing machines" means machines capable of:

- (i) Storing the processing program or programs and at least the data immediately necessary for the execution of the program;
- (ii) Being freely programmed in accordance with the requirements of the user;
- (iii) Performing arithmetical computations specified by the user; and
- (iv) Executing, without human intervention, a processing program which requires them to modify their execution, by logical decision during the processing run.

(B) Automatic data processing machines may be in the form of systems consisting of a variable number of separate units.

(C) Subject to paragraphs (D) and (E) below, a unit is to be regarded as being part of an automatic data processing system if it meets all of the following conditions:

- (i) It is of a kind solely or principally used in an automatic data processing system;
- (ii) It is connectable to the central processing unit either directly or through one or more other units; and
- (iii) It is able to accept or deliver data in a form (codes or signals) which can be used by the system.

Separately presented units of an automatic data processing machine are to be classified in 8471.

However, keyboards, X-Y co-ordinate input devices and disk storage units which satisfy the conditions of paragraphs (C)(ii) and (C)(iii) above, are in all cases to be classified as units of 8471.

(D) 8471 does not cover the following when presented separately, even if they meet all of the conditions set forth in Note 6(C) above:

- (i) Printers, copying machines, facsimile machines, whether or not combined;
- (ii) Apparatus for the transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network (such as a local or wide area network);

★ **Notes 5 and 6 have been renumbered as Notes 6 and 7, respectively.**

★ **Operative 1/1/22**

**CUSTOMS TARIFF
SCHEDULE 3**

R.1

Section 16
Chapter 84/7

- (iii) Loud speakers and microphones;
- (iv) Television cameras, digital cameras and video camera recorders;
- (v) Monitors and projectors, not incorporating television reception apparatus.

(E) Machines incorporating or working in conjunction with an automatic data processing machine and performing a specific function other than data processing are to be classified in the headings appropriate to their respective functions or, failing that, in residual headings.

7.- 8482 applies, *inter alia*, to polished steel balls, the maximum and minimum diameters of which do not differ from the nominal diameter by more than 1% or by more than 0.05 mm, whichever is less. Other steel balls are to be classified in 7326.

8.- A machine which is used for more than one purpose is, for the purposes of classification, to be treated as if its principal purpose were its sole purpose.

Subject to Note 2 to this Chapter and Note 3 to Section XVI, a machine the principal purpose of which is not described in any heading or for which no one purpose is the principal purpose is, unless the context otherwise requires, to be classified in 8479. 8479 also covers machines for making rope or cable (for example, stranding, twisting or cabling machines) from metal wire, textile yarn or any other material or from a combination of such materials.

9.- For the purposes of 8470, "pocket-size" applies only to machines the dimensions of which do not exceed 170 mm x 100 mm x 45 mm.

★ 10.- For the purposes of 8485, "additive manufacturing" (also referred to as 3D printing) means the formation of physical objects, based on a digital model, by the successive addition and layering, and consolidation and solidification, of material (for example, metal, plastics or ceramics).

Subject to Note 1 to Section XVI and Note 1 to Chapter 84, machines answering to the description in 8485 are to be classified in that heading and in no other heading of this Schedule.

★ 11.- (A) Notes 12(a) and (b) to Chapter 85 also apply with respect to "semiconductor devices" and "electronic integrated circuits", respectively, as used in this Note and in 8486. However, for the purposes of this Note and of 8486, "semiconductor devices" also covers photosensitive semiconductor devices and light emitting diodes (LED).

(B) For the purposes of this Note and of 8486, "manufacture of flat panel displays" covers the fabrication of substrates into a flat panel. It does not cover the manufacture of glass or the assembly of printed circuit boards or other electronic components onto the flat panel. "Flat panel display" does not cover cathode-ray tube technology.

(C) 8486 also includes machines and apparatus solely or principally of a kind used for:

- (i) the manufacture or repair of masks and reticles;
- (ii) assembling semiconductor devices or electronic integrated circuits; or
- (iii) lifting, handling, loading or unloading of boules, wafers, semiconductor devices, electronic integrated circuits and flat panel displays.

(D) Subject to Note 1 to Section XVI and Note 1 to Chapter 84, machines and apparatus answering to the description in 8486 are to be classified in that heading and in no other heading of this Schedule.

★ Notes 7, 8 and 9 have been renumbered as Notes 8, 9 and 11, respectively.

★ Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 84/8**

Subheading Notes.

- 1.- For the purposes of 8465.20, "machining centres" applies only to machine-tools for working wood, cork, bone, hard rubber, hard plastics or similar hard materials, which can carry out different types of machining operations by automatic tool change from a magazine or the like in conformity with a machining programme.
- ★ 2.- For the purposes of 8471.49.00, "systems" means automatic data processing machines whose units satisfy the conditions laid down in Note 6(C) to Chapter 84 and which comprise at least a central processing unit, one input unit (for example, a keyboard or a scanner), and one output unit (for example, a visual display unit or a printer).
- 3.- For the purposes of 8481.20, "valves for oleohydraulic or pneumatic transmissions" means valves which are used specifically in the transmission of "fluid power" in a hydraulic or pneumatic system, where the energy source is supplied in the form of pressurised fluids (liquid or gas). These valves may be of any type (for example, pressure-reducing type, check type). 8481.20 takes precedence over all other subheadings of 8481.
- 4.- 8482.40 applies only to bearings with cylindrical rollers of a uniform diameter not exceeding 5 mm and having a length which is at least three times the diameter. The ends of the rollers may be rounded.

Additional Notes.

- 1.- In this Chapter, the power of an internal combustion piston engine shall be taken to be the net output, expressed in kilowatts, that the engine is capable of delivering continuously at a stated crankshaft speed under standard operating conditions.
- 2.- For the purposes of this Chapter, "operating weight" means the combined weight of the machine, the driver and a tank full of fuel.
- 3.- 8422 does not cover machines which collate and load, or merely load or unload, packs or units of goods (in one or more tiers or layers) onto pallets, slipsheets or the like (8428).
- 4.- 8486.10.10, 8486.20.10, 8486.30.10 and 8486.40.10 do not apply to water-jet cutting machines (8486.10.90, 8486.20.90, 8486.30.90 or 8486.40.9)

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/9

R.5

Reference Number	Statistical Code/Unit	Goods	Rate #
8401		NUCLEAR REACTORS; FUEL ELEMENTS (CARTRIDGES), NON-IRRADIATED, FOR NUCLEAR REACTORS; MACHINERY AND APPARATUS FOR ISOTOPIC SEPARATION:	
8401.10.00	01 No	- Nuclear reactors	5% DCS:4% CA:Free DCT:5%
8401.20.00	02 ..	- Machinery and apparatus for isotopic separation, and parts thereof	Free
8401.30.00	03 kg	- Fuel elements (cartridges), non-irradiated	5% DCS:4% CA:Free DCT:5%
8401.40.00	04 ..	- Parts of nuclear reactors	5% DCS:4% CA:Free DCT:5%
8402		STEAM OR OTHER VAPOUR GENERATING BOILERS (OTHER THAN CENTRAL HEATING HOT WATER BOILERS CAPABLE ALSO OF PRODUCING LOW PRESSURE STEAM); SUPER-HEATED WATER BOILERS:	
8402.1		- Steam or other vapour generating boilers:	
8402.11.00	05 No	-- Watertube boilers with a steam production exceeding 45 t per hour	5% CA:Free
8402.12.00	06 No	-- Watertube boilers with a steam production not exceeding 45 t per hour	5% CA:Free
8402.19.00	07 No	-- Other vapour generating boilers, including hybrid boilers	5% CA:Free
8402.20.00	08 No	- Super-heated water boilers	5% CA:Free
8402.90.00	09 ..	- Parts	5% CA:Free
8403		CENTRAL HEATING BOILERS OTHER THAN THOSE OF 8402:	
8403.10.00	10 No	- Boilers	5%
8403.90.00	11 ..	- Parts	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/10

Reference Number	Statistical Code/Unit	Goods	Rate #
8404		AUXILIARY PLANT FOR USE WITH BOILERS OF 8402 OR 8403 (FOR EXAMPLE, ECONOMISERS, SUPER-HEATERS, SOOT REMOVERS, GAS RECOVERERS); CONDENSERS FOR STEAM OR OTHER VAPOUR POWER UNITS:	
8404.10.00	12 No	- Auxiliary plant for use with boilers of 8402 or 8403	5% CA:Free
8404.20.00	13 No	- Condensers for steam or other vapour power units	5% CA:Free
8404.90.00	14 ..	- Parts	5% CA:Free
8405		PRODUCER GAS OR WATER GAS GENERATORS, WITH OR WITHOUT THEIR PURIFIERS; ACETYLENE GAS GENERATORS AND SIMILAR WATER PROCESS GAS GENERATORS, WITH OR WITHOUT THEIR PURIFIERS:	
8405.10.00	15 ..	- Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their purifiers	5% DCS:4% CA:Free DCT:5%
8405.90.00	16 ..	- Parts	5% DCS:4% CA:Free DCT:5%
8406		STEAM TURBINES AND OTHER VAPOUR TURBINES:	
8406.10.00	70 No	- Turbines for marine propulsion	Free
8406.8		- Other turbines:	
8406.81.00	66 No	-- Of an output exceeding 40 MW	Free
8406.82.00	67 No	-- Of an output not exceeding 40 MW	Free
8406.90.00	68 ..	- Parts	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/11

R.8

Reference Number	Statistical Code/Unit	Goods	Rate #
8407		SPARK-IGNITION RECIPROCATING OR ROTARY INTERNAL COMBUSTION PISTON ENGINES:	
8407.10.00	23 No	- Aircraft engines	Free
8407.2		- Marine propulsion engines:	
8407.21.00		-- Outboard motors	Free
		<i>Comprising engine and transmission shaft with or without propeller:</i>	
		<i>.Manual start:</i>	
	61 No	<i>..Not exceeding 9.9 kW (covers 2, 2.5, 3.5, 4, 5, 6, 7.5, 8, 9.9 and 10 h.p.)</i>	
	62 No	<i>..Exceeding 9.9 kW but not exceeding 15.9 kW (covers 14, 15, 18 and 20 h.p.)</i>	
	63 No	<i>..Exceeding 15.9 kW but not exceeding 28.9 kW (covers 25, 30 and 35 h.p.)</i>	
	64 No	<i>..Exceeding 28.9 kW (covers 40, 45, 50 and 55 h.p.)</i>	
		<i>.Electric start:</i>	
	65 No	<i>..Not exceeding 19.9 kW (covers 8, 10, 15 and 25 h.p.)</i>	
	49 No	<i>..Exceeding 19.9 kW but not exceeding 28.9 kW (covers 30 and 35 h.p.)</i>	
	50 No	<i>..Exceeding 28.9 kW but not exceeding 33.9 kW (covers 40 and 45 h.p.)</i>	
	51 No	<i>..Exceeding 33.9 kW but not exceeding 41.9 kW (covers 50 and 55 h.p.)</i>	
	52 No	<i>..Exceeding 41.9 kW but not exceeding 49.9 kW (covers 60 and 65 h.p.)</i>	
	53 No	<i>..Exceeding 49.9 kW but not exceeding 57.9 kW (covers 70 and 75 h.p.)</i>	
	54 No	<i>..Exceeding 57.9 kW but not exceeding 68.9 kW (covers 80, 85 and 90 h.p.)</i>	
	55 No	<i>..Exceeding 68.9 kW but not exceeding 90.9 kW (covers 110, 115 and 120 h.p.)</i>	
	56 No	<i>..Exceeding 90.9 kW but not exceeding 112.9 kW (covers 140, 150 h.p.)</i>	
	57 No	<i>..Exceeding 112.9 kW but not exceeding 179.9 kW (covers 175 and 225 h.p.)</i>	
	58 No	<i>..Exceeding 179.9 kW</i>	
	59 No	<i>Other</i>	
8407.29.00	25 No	-- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/12

Reference Number	Statistical Code/Unit	Goods	Rate #
8407.3		- Reciprocating piston engines of a kind used for the propulsion of vehicles of Chapter 87:	
8407.31.00	26 No	-- Of a cylinder capacity not exceeding 50 cm ³	Free
8407.32.00	11 No	-- Of a cylinder capacity exceeding 50 cm ³ but not exceeding 250 cm ³	Free
8407.33		-- Of a cylinder capacity exceeding 250 cm ³ but not exceeding 1 000 cm ³ :	
8407.33.10	29 No	--- For use in the assembly or manufacture of passenger motor vehicles	5% CA:Free
8407.33.90	90 No	--- Other	Free
8407.34		-- Of a cylinder capacity exceeding 1 000 cm ³ :	
8407.34.10	01 No	--- For use in the assembly or manufacture of passenger motor vehicles	5% CA:Free
★ 8407.34.20		--- Engines, NSA, of a kind used with vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705	5% DCS:4% DCT:5%
		<i>For highway motor vehicles:</i>	
	02 No	<i>.Original equipment</i>	
		<i>.Replacement equipment:</i>	
	03 No	<i>..New</i>	
	04 No	<i>..Used</i>	
	05 No	<i>Other</i>	
8407.34.90	06 No	--- Other	Free
8407.90		- Other engines:	
8407.90.10	07 No	--- For use in the assembly or manufacture of passenger motor vehicles	5% CA:Free
★ 8407.90.20	32 No	--- Engines, NSA, of a kind used with vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705	Free
8407.90.30	30 No	--- Engines, NSA, having a power not exceeding 3.6 kW	5%
8407.90.90	31 No	--- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/13

R.9

Reference Number	Statistical Code/Unit	Goods	Rate #
8408		COMPRESSION-IGNITION INTERNAL COMBUSTION PISTON ENGINES (DIESEL OR SEMI-DIESEL ENGINES):	
8408.10.00		- Marine propulsion engines	Free
	34	No <i>Not exceeding 125 kW</i>	
	35	No <i>Exceeding 125 kW but not exceeding 225 kW</i>	
	36	No <i>Exceeding 225 kW but not exceeding 375 kW</i>	
	37	No <i>Exceeding 375 kW</i>	
8408.20		- Engines of a kind used for the propulsion of vehicles of Chapter 87:	
8408.20.10	18	No --- For use in the assembly or manufacture of passenger motor vehicles	5% CA:Free
★ 8408.20.20		--- Engines, NSA, of a kind used with vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705	5% DCS:4% DCT:5%
		<i>For highway motor vehicles:</i>	
	20	No <i>.Original equipment</i>	
		<i>.Replacement equipment:</i>	
		<i>..New:</i>	
	42	No <i>...Not exceeding 200 kW</i>	
	23	No <i>...Exceeding 200 kW</i>	
		<i>..Used:</i>	
	43	No <i>...Not exceeding 200 kW</i>	
	26	No <i>...Exceeding 200 kW</i>	
	27	No <i>Other</i>	
8408.20.90	28	No --- Other	Free
8408.90.00		- Other engines	Free
	10	No <i>Not exceeding 55 kW</i>	
	11	No <i>Exceeding 55 kW but not exceeding 100 kW</i>	
	12	No <i>Exceeding 100 kW but not exceeding 150 kW</i>	
	13	No <i>Exceeding 150 kW but not exceeding 200 kW</i>	
	14	No <i>Exceeding 200 kW but not exceeding 300 kW</i>	
	15	No <i>Exceeding 300 kW but not exceeding 500 kW</i>	
	16	No <i>Exceeding 500 kW but not exceeding 750 kW</i>	
	17	No <i>Exceeding 750 kW but not exceeding 1 500 kW</i>	
	18	No <i>Exceeding 1 500 kW</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/14

Reference Number	Statistical Code/Unit	Goods	Rate #
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Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/15

R.8

Reference Number	Statistical Code/Unit	Goods	Rate #
8409		PARTS SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE ENGINES OF 8407 OR 8408:	
8409.10.00	56 ..	- For aircraft engines	5%
8409.9		- Other:	
8409.91		-- Suitable for use solely or principally with spark-ignition internal combustion piston engines:	
★ 8409.91.10		--- Parts, as follows: (a) carburettors, and parts thereof, not being suitable for use with motorcycles; (b) piston pins; (c) piston rings; (d) valves; (e) of engines of a kind used with vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705; (f) of a kind used with engines having a power not exceeding 4.5 kW of 8407.31.00	5%
		<i>Original equipment:</i>	
	16 ..	.Valves	
	63 ..	.Other, including carburettors and parts thereof, piston rings and piston pins	
		<i>Replacement equipment:</i>	
	58 ..	.Carburettors and parts thereof	
		.Other:	
		..For engines of highway motor vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705:	
	36 No	...Piston with pin (excluding pistons with rings)	
	37 No	...Piston assemblies (i.e. piston, piston rings and pins)	
	64Other, including piston pins, piston rings and valves	
	47Other	
8409.91.90	65 ..	--- Other	Free
8409.99		-- Other:	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/16

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8409.99.10		--- Parts, as follows: (a) piston pins; (b) piston rings; (c) valves; (d) for engines of a kind used with vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705, but not including fuel injection equipment and parts thereof unless for use in the assembly or manufacture of those vehicles	5%
	27 ..	<i>Original equipment</i>	
	44 ..	<i>Replacement equipment: .For engines of highway motor vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705</i>	
	32 ..	<i>.Other</i>	
8409.99.90	62 ..	--- Other	Free
8410		HYDRAULIC TURBINES, WATER WHEELS, AND REGULATORS THEREFOR:	
8410.1		- Hydraulic turbines and water wheels:	
8410.11.00	01 No	-- Of a power not exceeding 1 000 kW	5%
8410.12.00	02 No	-- Of a power exceeding 1 000 kW but not exceeding 10 000 kW	5%
8410.13.00	03 No	-- Of a power exceeding 10 000 kW	5%
8410.90.00	04 ..	- Parts, including regulators	5%
8411		TURBO-JETS, TURBO-PROPELLERS AND OTHER GAS TURBINES:	
8411.1		- Turbo-jets:	
8411.11.00	05 No	-- Of a thrust not exceeding 25 kN	Free
8411.12.00	06 No	-- Of a thrust exceeding 25 kN	Free
8411.2		- Turbo-propellers:	
8411.21.00	07 No	-- Of a power not exceeding 1 100 kW	Free
8411.22.00	08 No	-- Of a power exceeding 1 100 kW	Free

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★ Operative 1/1/22

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/17

R.7

Reference Number	Statistical Code/Unit	Goods	Rate #
8411.8		- Other gas turbines:	
8411.81.00	09 No	-- Of a power not exceeding 5 000 kW	Free
8411.82.00	10 No	-- Of a power exceeding 5 000 kW	Free
8411.9		- Parts:	
8411.91.00	11 ..	-- Of turbo-jets or turbo-propellers	Free
8411.99.00	12 ..	-- Other	Free
8412		OTHER ENGINES AND MOTORS:	
8412.10.00	13 No	- Reaction engines other than turbo-jets	Free
8412.2		- Hydraulic power engines and motors:	
8412.21.00	14 ..	-- Linear acting (cylinders)	5%
8412.29.00	15 No	-- Other	5%
8412.3		- Pneumatic power engines and motors:	
8412.31.00	16 ..	-- Linear acting (cylinders)	5%
8412.39		-- Other:	
8412.39.10	27 No	--- Goods, as follows: (a) actuators for the mechanical operation of control valves; (b) engines operated by an external source of compressed gas and having a maximum gas consumption rate not exceeding 0.07 m ³ /minute	5%
8412.39.90	19 No	--- Other	Free
8412.80.00		- Other	Free
	30 No	<i>Wind turbines</i>	
	35 ..	<i>Other</i>	
8412.90		- Parts:	
8412.90.10	21 ..	--- For engines of 8412.10.00, 8412.39.90 or 8412.80.00	Free
8412.90.90	22 ..	--- Other	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/18

Reference Number	Statistical Code/Unit		Goods	Rate #
8413			PUMPS FOR LIQUIDS, WHETHER OR NOT FITTED WITH A MEASURING DEVICE; LIQUID ELEVATORS:	
8413.1			- Pumps fitted or designed to be fitted with a measuring device:	
8413.11.00	23	No	-- Pumps for dispensing fuel or lubricants, of the type used in filling-stations or in garages	5%
8413.19.00	24	No	-- Other	5%
8413.20.00	25	No	- Hand pumps, other than those of 8413.11.00 or 8413.19.00	5%
8413.30			- Fuel, lubricating or cooling medium pumps for internal combustion piston engines:	
★ ★★ 8413.30.10	03	No	--- Pumps, as follows: (a) fuel pumps, used solely or principally with compression-ignition engines; (b) oil or petrol pumps for use in the assembly or manufacture of engines for: (i) vehicles, having a power exceeding 7.46 kW, of 8701.10.00, 8701.91.11, 8701.91.19, 8701.92.10, 8701.93.10, 8701.94.10 or 8701.95.10; or (ii) vehicles of 8701.30.00, 8701.91.90, 8701.92.90, 8701.93.90, 8701.94.90 or 8701.95.90, other than tractors for dumpers; or (iii) vehicles of 8709.19.00	Free
8413.30.90			--- Other	5%
	02	No	<i>For use as original components in the assembly or manufacture of vehicles of 8701.20.00, 8702, 8703, 8704 or 8705</i>	
	35	No	<i>Other</i>	
8413.40.00	05	No	- Concrete pumps	5%
8413.50			- Other reciprocating positive displacement pumps:	
8413.50.10	06	No	--- Specially designed for use in the mining or metallurgical industries, other than pulp pumps for use in conjunction with ore dressing machines	5% DCS:4% DCT:5%
8413.50.90	60	No	--- Other	5%
8413.60			- Other rotary positive displacement pumps:	
8413.60.10	10	No	--- Specially designed for use in the mining or metallurgical industries, other than pulp pumps for use in conjunction with ore dressing machines	5% DCS:4% DCT:5%
8413.60.90	61	No	--- Other	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/19

R.10

Reference Number	Statistical Code/Unit	Goods	Rate #
8413.70		- Other centrifugal pumps:	
8413.70.10	14 No	--- Specially designed for use in the mining or metallurgical industries, other than pulp pumps for use in conjunction with ore dressing machines	5% DCS:4% DCT:5%
8413.70.90	62 No	--- Other	5%
8413.8		- Other pumps; liquid elevators:	
8413.81		-- Pumps:	
8413.81.10	17 No	--- Specially designed for use in the mining or metallurgical industries, other than pulp pumps for use in conjunction with ore dressing machines	5% DCS:4% DCT:5%
8413.81.90	63 No	--- Other	5%
8413.82.00	20 No	-- Liquid elevators	5%
8413.9		- Parts:	
8413.91		-- Of pumps:	
8413.91.10	21 ..	--- Specially designed for use in the mining or metallurgical industries, other than pulp pumps for use in conjunction with ore dressing machines	5% DCS:4% DCT:5%
8413.91.20	64 ..	--- Of pumps of 8413.30.10	Free
8413.91.90	65 ..	--- Other	5%
8413.92.00	23 ..	-- Of liquid elevators	5%
★ 8414		AIR OR VACUUM PUMPS, AIR OR OTHER GAS COMPRESSORS AND FANS; VENTILATING OR RECYCLING HOODS INCORPORATING A FAN, WHETHER OR NOT FITTED WITH FILTERS; GAS-TIGHT BIOLOGICAL SAFETY CABINETS, WHETHER OR NOT FITTED WITH FILTERS:	
8414.10		- Vacuum pumps:	
8414.10.10	24 No	--- Vacuum pumps of a kind used solely or principally for the manufacture of semiconductors or flat panel displays	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8414.10.90	26 No	--- Other	5%
8414.20.00	25 No	- Hand- or foot-operated air pumps	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/20

Reference Number	Statistical Code/Unit	Goods	Rate #
8414.30.00		- Compressors of a kind used in refrigerating equipment	5%
	66 No	<i>For automotive air conditioners</i>	
		<i>Other:</i>	
		<i>.Sealed motor type:</i>	
	27 No	<i>..Not exceeding 3.75 kW</i>	
	28 No	<i>..Exceeding 3.75 kW</i>	
		<i>.Accessible hermetic type:</i>	
	29 No	<i>..Not exceeding 3.75 kW</i>	
	30 No	<i>..Exceeding 3.75 kW</i>	
		<i>.Other:</i>	
	31 No	<i>..Not exceeding 3.75 kW</i>	
	32 No	<i>..Exceeding 3.75 kW</i>	
8414.40		- Air compressors mounted on a wheeled chassis for towing:	
8414.40.10	35 No	--- Reciprocating or rotary, having a capacity not exceeding 3 m ³ of free air delivered per minute	5%
8414.40.20	36 No	--- Reciprocating or rotary, having a capacity exceeding 3 m ³ but not exceeding 25 m ³ of free air delivered per minute	5% DCS:4% DCT:5%
8414.40.90	54 No	--- Other	Free
8414.5		- Fans:	
8414.51.00	01 No	-- Table, floor, wall, window, ceiling or roof fans, with a self-contained electric motor of an output not exceeding 125 W	5%
8414.59		-- Other:	
8414.59.10	51 No	--- Of a kind used as components in passenger motor vehicles	5%
8414.59.20	52 No	--- Of a kind used solely or principally for cooling microprocessors, telecommunication apparatus, automatic data processing machines or units of automatic data processing machines	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
8414.59.90	55 No	--- Other	5% DCS:4% DCT:5%
★★ 8414.60.00	04 No	- Hoods having a maximum horizontal side not exceeding 120 cm	5%
★ 8414.70		- Gas-tight biological safety cabinets:	
★ 8414.70.10	05 No	--- With hoods having a maximum horizontal side not exceeding 120 cm	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/22

★★ S Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/21

R.7

Reference Number	Statistical Code/Unit		Goods	Rate #
★ 8414.70.20	06	No	--- Fitted with filters, other than goods with a stainless steel housing, and with inlet and outlet tube bores with inside diameters exceeding 1.3 cm	5% DCS:4% DCT:5%
★ 8414.70.90	07	No	--- Other	Free
8414.80			- Other:	
8414.80.1			--- Reciprocating or rotary air compressors or pumps, having a capacity not exceeding 3 m ³ of free air delivered per minute:	
8414.80.11	49	No	---- Aquarium aerators	Free
8414.80.19	50	No	---- Other	5%
8414.80.20	62	No	--- Reciprocating or rotary air compressors or pumps, having a capacity exceeding 3 m ³ but not exceeding 25 m ³ of free air delivered per minute	5% DCS:4% DCT:5%
8414.80.30	53	No	--- Electro-mechanical tools for working in the hand, with self-contained electric motor, NSA	5%
★★ 8414.80.90	64	No	--- Other	Free
8414.90			- Parts:	
★ 8414.90.10			--- Of goods of 8414.20.00, 8414.40.90, 8414.70.90 or 8414.80.90	Free
	41	..	<i>Of pumps and compressors used in the liquefaction of gases</i>	
	44	..	<i>Other</i>	
8414.90.20	43	..	--- Of goods of 8414.40.20 or 8414.80.20	5% DCS:4% DCT:5%
8414.90.90			--- Other	5%
	56	..	<i>Of compressors of a kind used in refrigerating or air conditioning applications</i>	
	34	..	<i>Of fans</i>	
	40	..	<i>Other</i>	
8415			AIR CONDITIONING MACHINES, COMPRISING A MOTOR-DRIVEN FAN AND ELEMENTS FOR CHANGING THE TEMPERATURE AND HUMIDITY, INCLUDING THOSE MACHINES IN WHICH THE HUMIDITY CANNOT BE SEPARATELY REGULATED:	
8415.10.00			- Of a kind designed to be fixed to a window, wall, ceiling or floor, self-contained or "split-system"	5%
	37	No	<i>Less than 3 kW</i>	
	38	No	<i>3 kW or more but less than 4 kW</i>	
	39	No	<i>4 kW or more but less than 5 kW</i>	
	49	No	<i>5 kW or more</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/22

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/22

Reference Number	Statistical Code/Unit	Goods	Rate #
8415.20.00	60 No	- Of a kind used for persons, in motor vehicles	5%
8415.8		- Other:	
8415.81.00	20 No	-- Incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps)	5%
8415.82.00	63 No	-- Other, incorporating a refrigerating unit	5%
8415.83.00	22 No	-- Not incorporating a refrigerating unit	5%
8415.90.00	66 ..	- Parts	5%
8416		FURNACE BURNERS FOR LIQUID FUEL, FOR PULVERISED SOLID FUEL OR FOR GAS; MECHANICAL STOKERS, INCLUDING THEIR MECHANICAL GRATES, MECHANICAL ASH DISCHARGERS AND SIMILAR APPLIANCES:	
8416.10.00	25 No	- Furnace burners for liquid fuel	5% CA:Free
8416.20.00	26 No	- Other furnace burners, including combination burners	5% CA:Free
8416.30.00	27 ..	- Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances	5% DCS:4% DCT:5%
8416.90.00	28 ..	- Parts	5% CA:Free
8417		INDUSTRIAL OR LABORATORY FURNACES AND OVENS, INCLUDING INCINERATORS, NON-ELECTRIC:	
8417.10.00	29 No	- Furnaces and ovens for the roasting, melting or other heat-treatment of ores, pyrites or of metals	5% DCS:4% DCT:5%
8417.20.00	30 No	- Bakery ovens, including biscuit ovens	5% DCS:4% DCT:5%
8417.80.00	31 No	- Other	5% DCS:4% DCT:5%
8417.90.00	32 ..	- Parts	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/23

R.11

Reference Number	Statistical Code/Unit	Goods	Rate #
8418		REFRIGERATORS, FREEZERS AND OTHER REFRIGERATING OR FREEZING EQUIPMENT, ELECTRIC OR OTHER; HEAT PUMPS OTHER THAN AIR CONDITIONING MACHINES OF 8415:	
★ 8418.10.00		- Combined refrigerator-freezers, fitted with separate external doors or drawers, or combinations thereof	5%
		<i>Compression-type:</i>	
	09 No	<i>.Less than 200 L gross internal capacity</i>	
	10 No	<i>.200 L and over but less than 300 L gross internal capacity</i>	
	11 No	<i>.300 L and over but less than 400 L gross internal capacity</i>	
	12 No	<i>.400 L and over but less than 500 L gross internal capacity</i>	
	13 No	<i>.500 L and over gross internal capacity</i>	
	31 No	<i>Absorption-type</i>	
	90 No	<i>Other</i>	
8418.2		- Refrigerators, household type:	
8418.21.00		-- Compression-type	5%
	09 No	<i>Less than 200 L gross internal capacity</i>	
	10 No	<i>200 L and over but less than 300 L gross internal capacity</i>	
	45 No	<i>300 L and over but less than 500 L gross internal capacity</i>	
	13 No	<i>500 L and over gross internal capacity</i>	
8418.29.00	21 No	-- Other	5%
8418.30.00		- Freezers of the chest type, not exceeding 800 L capacity	5%
	16 No	<i>Less than 300 L gross internal capacity</i>	
	17 No	<i>300 L and over gross internal capacity</i>	
8418.40.00		- Freezers of the upright type, not exceeding 900 L capacity	5%
	18 No	<i>Less than 200 L gross internal capacity</i>	
	19 No	<i>200 L and over gross internal capacity</i>	
★★ 8418.50.00	30 No	- Other furniture (chests, cabinets, display counters, show-cases and the like) for storage and display, incorporating refrigerating or freezing equipment	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/22

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/24

Reference Number	Statistical Code/Unit		Goods	Rate #
8418.6			- Other refrigerating or freezing equipment; heat pumps:	
8418.61.00	32	No	-- Heat pumps other than air conditioning machines of 8415	5%
8418.69.00			-- Other	5%
	28	No	<i>Ice-making machines</i>	
	33	No	<i>Other</i>	
8418.9			- Parts:	
8418.91.00	48	..	-- Furniture designed to receive refrigerating or freezing equipment	5%
8418.99.00			-- Other	5%
	27	No	<i>Condensers; evaporators</i>	
	49	..	<i>Other</i>	
8419			MACHINERY, PLANT OR LABORATORY EQUIPMENT, WHETHER OR NOT ELECTRICALLY HEATED (EXCLUDING FURNACES, OVENS AND OTHER EQUIPMENT OF 8514), FOR THE TREATMENT OF MATERIALS BY A PROCESS INVOLVING A CHANGE OF TEMPERATURE SUCH AS HEATING, COOKING, ROASTING, DISTILLING, RECTIFYING, STERILISING, PASTEURISING, STEAMING, DRYING, EVAPORATING, VAPORISING, CONDENSING OR COOLING, OTHER THAN MACHINERY OR PLANT OF A KIND USED FOR DOMESTIC PURPOSES; INSTANTANEOUS OR STORAGE WATER HEATERS, NON-ELECTRIC:	
8419.1			- Instantaneous or storage water heaters, non-electric:	
8419.11.00	09	No	-- Instantaneous gas water heaters	5%
★ 8419.12.00	01	No	-- Solar water heaters	5%
★★ 8419.19.00	90	No	-- Other	5%
8419.20.00	11	No	- Medical, surgical or laboratory sterilisers	5% DCS:4% DCT:5%
8419.3			- Dryers:	
★ 8419.33.00	03	No	-- Lyophilisation apparatus, freeze drying units and spray dryers	5% DCS:4% DCT:5%
★ 8419.34.00	04	No	-- Other, for agricultural products	5% DCS:4% DCT:5%
★ 8419.35.00	05	No	-- Other, for wood, paper pulp, paper or paperboard	5% DCS:4% DCT:5%

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Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/22

★★ S Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/25

R.9

Reference Number	Statistical Code/Unit		Goods	Rate #
8419.39			-- Other:	
8419.39.10	41	No	--- Electro-mechanical tools for working in the hand, with self-contained electric motor	5%
★★ 8419.39.90	44	No	--- Other	5% DCS:4% DCT:5%
8419.40.00	15	No	- Distilling or rectifying plant	5% DCS:4% DCT:5%
8419.50			- Heat exchange units:	
8419.50.20	34	No	--- Of fluoropolymers and with inlet and outlet tube bores with inside diameters measuring 3 cm or less	5% DCS:4% DCT:5%
			From 1 July 2018	2.5%
			From 1 July 2019	Free
8419.50.30	35	No	--- Of a kind used as components in passenger motor vehicles, NSA	5%
8419.50.90	36	..	--- Other	5% DCS:4% DCT:5%
8419.60.00	17	..	- Machinery for liquefying air or other gases	Free
8419.8			- Other machinery, plant and equipment:	
8419.81			-- For making hot drinks or for cooking or heating food:	
8419.81.10	27	No	--- Hot drink dispensing machines	5%
8419.81.90			--- Other	5% DCS:4% DCT:5%
	25	..	<i>Electrically operated</i>	
	29	..	<i>Other</i>	
8419.89			-- Other:	
8419.89.20	18	..	--- Electro-mechanical tools for working in the hand, with self-contained electric motor	5%
8419.89.90	59	..	--- Other	5% DCS:4% DCT:5%
8419.90.00	07	..	- Parts	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/26

Reference Number	Statistical Code/Unit	Goods	Rate #
8420		CALENDERING OR OTHER ROLLING MACHINES, OTHER THAN FOR METALS OR GLASS, AND CYLINDERS THEREFOR:	
8420.10.00	01 ..	- Calendering or other rolling machines	Free
8420.9		- Parts:	
8420.91.00	02 ..	-- Cylinders	5% DCS:4% DCT:5%
8420.99.00	03 ..	-- Other	Free
8421		CENTRIFUGES, INCLUDING CENTRIFUGAL DRYERS; FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES:	
8421.1		- Centrifuges, including centrifugal dryers:	
8421.11.00	04 No	-- Cream separators	Free
8421.12.00	05 No	-- Clothes-dryers	5%
8421.19.00	20 No	-- Other	5%
8421.2		- Filtering or purifying machinery and apparatus for liquids:	
8421.21		-- For filtering or purifying water:	
8421.21.10	36 ..	--- Filtering machinery and apparatus for use with swimming pools	5%
8421.21.90	37 ..	--- Other	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/27

R.11

Reference Number	Statistical Code/Unit	Goods	Rate #
8421.22.00	08 ..	-- For filtering or purifying beverages other than water	5% DCS:4% DCT:5%
8421.23.00		-- Oil or petrol-filters for internal combustion engines	5%
		<i>Replacement equipment for highway motor vehicles:</i>	
	10 No	<i>.For fuel injection equipment</i>	
	11 No	<i>.Other</i>	
	28 No	<i>Other</i>	
8421.29		-- Other:	
8421.29.10	12 No	--- Liquid filtering or purifying machinery and apparatus made of fluoropolymers and with filter or purifier membrane thickness not exceeding 140 microns	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
8421.29.90	13 No	--- Other	5% DCS:4% DCT:5%
8421.3		- Filtering or purifying machinery and apparatus for gases:	
8421.31.00		-- Intake air filters for internal combustion engines	5%
	51 No	<i>Replacement equipment for highway motor vehicles</i>	
	52 No	<i>Other</i>	
★ 8421.32.00	60 No	-- Catalytic converters or particulate filters, whether or not combined, for purifying or filtering exhaust gases from internal combustion engines	5% DCS:4% DCT:5%
8421.39		-- Other:	
★★ 8421.39.10	15 No	--- Filtering or purifying machinery and apparatus for gases, with stainless steel housing, and with inlet and outlet tube bores with inside diameters not exceeding 1.3 cm	5% DCS:4% DCT:5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
★★ 8421.39.90	16 No	--- Other	5% DCS:4% DCT:5%
8421.9		- Parts:	
8421.91.00	50 ..	-- Of centrifuges, including centrifugal dryers	5%
8421.99		-- Other:	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/22

★★ S Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/28

Reference Number	Statistical Code/Unit	Goods	Rate #
★★ 8421.99.10	56 ..	--- Of goods of 8421.29.10 or 8421.39.10	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8421.99.90	17 ..	--- Other	5%
8422		DISH WASHING MACHINES; MACHINERY FOR CLEANING OR DRYING BOTTLES OR OTHER CONTAINERS; MACHINERY FOR FILLING, CLOSING, SEALING OR LABELLING BOTTLES, CANS, BOXES, BAGS OR OTHER CONTAINERS; MACHINERY FOR CAPSULING BOTTLES, JARS, TUBES AND SIMILAR CONTAINERS; OTHER PACKING OR WRAPPING MACHINERY (INCLUDING HEAT-SHRINK WRAPPING MACHINERY); MACHINERY FOR AERATING BEVERAGES:	
8422.1		- Dish washing machines:	
8422.11.00	22 No	-- Of the household type	5%
8422.19.00	23 No	-- Other	5% DCS:4% DCT:5%
8422.20.00	24 No	- Machinery for cleaning or drying bottles or other containers	5% DCS:4% DCT:5%
8422.30		- Machinery for filling, closing, sealing or labelling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles, jars, tubes and similar containers; machinery for aerating beverages:	
8422.30.10	21 No	--- Electro-mechanical tools for working in the hand, with self-contained electric motor	5%
8422.30.90	25 No	--- Other	5% DCS:4% DCT:5%
8422.40		- Other packing or wrapping machinery (including heat-shrink wrapping machinery):	
8422.40.10	26 No	--- Electro-mechanical tools for working in the hand, with self-contained electric motor	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/29

R.13

Reference Number	Statistical Code/Unit	Goods	Rate #
8422.40.90		--- Other	Free
	27	<i>No</i> <i>Single function machines:</i> <i>.Wrapping</i>	
	30	<i>No</i> <i>.Strapping</i>	
	33	<i>No</i> <i>.Cartoning</i>	
	34	<i>No</i> <i>.Other</i>	
		<i>Multi-function machines:</i>	
	40	<i>No</i> <i>.Packing/wrapping</i>	
	46	<i>No</i> <i>.Other</i>	
	48	<i>No</i> <i>Other</i>	
8422.90.00	49	- Parts	5%
8423		WEIGHING MACHINERY (EXCLUDING BALANCES OF A SENSITIVITY OF 5 cg OR BETTER), INCLUDING WEIGHT OPERATED COUNTING OR CHECKING MACHINES; WEIGHING MACHINE WEIGHTS OF ALL KINDS:	
8423.10.00		- Personal weighing machines, including baby scales; household scales	5%
	31	<i>No</i> <i>Personal weighing machines, including baby and bathroom scales</i>	
	32	<i>No</i> <i>Household scales</i>	
★ 8423.20		- Scales for continuous weighing of goods on conveyors:	
★ 8423.20.10	01	<i>No</i> --- Using electronic means for gauging weights	5%
★★			DCS:4%
			CA:Free
			DCT:5%
			From 1 July 2018
			2.5%
			CA:Free
			From 1 July 2019
			Free
★ 8423.20.90	02	<i>No</i> --- Other	5%
★★			DCS:4%
			CA:Free
			DCT:5%
★ 8423.30		- Constant weight scales and scales for discharging a predetermined weight of material into a bag or container, including hopper scales:	
★ 8423.30.10	03	<i>No</i> --- Using electronic means for gauging weights	5%
★★			DCS:4%
			DCT:5%
			From 1 July 2018
			2.5%
			From 1 July 2019
			Free
★ 8423.30.90	04	<i>No</i> --- Other	5%
★★			DCS:4%
			DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/30

Reference Number	Statistical Code/Unit	Goods	Rate #
8423.8		- Other weighing machinery:	
★ 8423.81		-- Having a maximum weighing capacity not exceeding 30 kg:	
★ ★★ 8423.81.10	05 No	--- Using electronic means for gauging weights	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
★ ★★ 8423.81.90	06 No	--- Other	5% DCS:4% DCT:5%
★ 8423.82		-- Having a maximum weighing capacity exceeding 30 kg but not exceeding 5 000 kg:	
★ ★★ 8423.82.10	07 No	--- Using electronic means for gauging weights, excluding machines for weighing motor vehicles	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
★ ★★ 8423.82.90	08 No	--- Other	5% DCS:4% DCT:5%
★ 8423.89		-- Other:	
★ ★★ 8423.89.10	09 No	--- Using electronic means for gauging weights	5% DCS:4% CA:Free DCT:5%
		From 1 July 2018	2.5% CA:Free
		From 1 July 2019	Free
★ ★★ 8423.89.90	10 No	--- Other	5% DCS:4% CA:Free DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/31

R.11

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8423.90		- Weighing machine weights of all kinds; parts of weighing machinery:	
★ ★★ 8423.90.10	11 ..	--- Parts of machinery using electronic means for gauging weights	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
★ ★★ 8423.90.90	12 ..	--- Other	5% DCS:4% DCT:5%
8424		MECHANICAL APPLIANCES (WHETHER OR NOT HAND-OPERATED) FOR PROJECTING, DISPERSING OR SPRAYING LIQUIDS OR POWDERS; FIRE EXTINGUISHERS, WHETHER OR NOT CHARGED; SPRAY GUNS AND SIMILAR APPLIANCES; STEAM OR SAND BLASTING MACHINES AND SIMILAR JET PROJECTING MACHINES:	
8424.10.00	08 No	- Fire extinguishers, whether or not charged	5%
8424.20.00		- Spray guns and similar appliances	5% DCS:4% DCT:5%
	09 No	<i>Spray guns, imported separately</i>	
	45 No	<i>Spraying assemblies</i>	
	44 No	<i>Other</i>	
8424.30		- Steam or sand blasting machines and similar jet projecting machines:	
8424.30.10	50 No	--- Electro-mechanical tools for working in the hand, with self-contained electric motor	5%
8424.30.90	51 No	--- Other	5% DCS:4% DCT:5%
★ 8424.4		- Agricultural or horticultural sprayers:	
★ ★★ 8424.41.00	01 No	-- Portable sprayers	5%
★ ★★ 8424.49.00	10 No	-- Other	5%
8424.8		- Other appliances:	
★ ★★ 8424.82.00	11 No	-- Agricultural or horticultural	5%

★ Subheading 8424.81.00 repealed 1/1/17.

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/32

Reference Number	Statistical Code/Unit		Goods	Rate #
8424.89			-- Other:	
8424.89.10	16	No	--- Devices for washing motor vehicle windscreens, headlamps or windows	5%
★ ★★ 8424.89.20	17	No	--- Mechanical appliances for projecting, dispersing or spraying of a kind used solely or principally for the manufacture of printed circuits or printed circuit assemblies	5% DCS:4% DCT:5%
			From 1 July 2018	3.75%
			From 1 July 2019	Free
8424.89.40	53	No	--- Electro-mechanical tools for working in the hand, with self-contained electric motor	5%
★★ 8424.89.90	91	No	--- Other	5% DCS:4% DCT:5%
8424.90			- Parts:	
★ ★★ 8424.90.10	58	..	--- Of goods of 8424.89.20	5%
			From 1 July 2018	3.75%
			From 1 July 2019	Free
8424.90.20	59	..	--- Of goods of 8424.30.10	5%
★★ 8424.90.90	92	..	--- Other	5%

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/33

R.12

Reference Number	Statistical Code/Unit	Goods	Rate #
8425		PULLEY TACKLE AND HOISTS OTHER THAN SKIP HOISTS; WINCHES AND CAPSTANS; JACKS:	
8425.1		- Pulley tackle and hoists other than skip hoists or hoists of a kind used for raising vehicles:	
8425.11.00		-- Powered by electric motor	5%
	23 No	<i>Chain hoists and chain pulley tackle</i>	
	24 No	<i>Wire rope hoists</i>	
	25 No	<i>Other</i>	
8425.19.00		-- Other	5%
		<i>Manually operated:</i>	
	31 No	<i>.Chain hoists and chain pulley tackle</i>	
	28 No	<i>.Other</i>	
	37 No	<i>Pneumatically operated</i>	
8425.3		- Winches; capstans:	
8425.31.00	29 No	-- Powered by electric motor	5%
8425.39.00	30 No	-- Other	5%
8425.4		- Jacks; hoists of a kind used for raising vehicles:	
8425.41.00	04 No	-- Built-in jacking systems of a type used in garages	5%
8425.42.00	27 No	-- Other jacks and hoists, hydraulic	5%
8425.49.00	28 No	-- Other	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/34

Reference Number	Statistical Code/Unit	Goods	Rate #
8426		SHIPS' DERRICKS; CRANES, INCLUDING CABLE CRANES; MOBILE LIFTING FRAMES, STRADDLE CARRIERS AND WORKS TRUCKS FITTED WITH A CRANE:	
8426.1		- Overhead travelling cranes, transporter cranes, gantry cranes, bridge cranes, mobile lifting frames and straddle carriers:	
8426.11.00	09 No	-- Overhead travelling cranes on fixed support	5%
8426.12.00	10 No	-- Mobile lifting frames on tyres and straddle carriers	5%
8426.19.00	11 No	-- Other	5%
8426.20.00	12 No	- Tower cranes	5%
8426.30.00	13 No	- Portal or pedestal jib cranes	5%
8426.4		- Other machinery, self-propelled:	
8426.41.00		-- On tyres	5%
	14 No	Having a working weight not exceeding 50 t	
	15 No	Having a working weight exceeding 50 t	
8426.49.00		-- Other	5%
	16 No	Having a working weight not exceeding 50 t	
	17 No	Having a working weight exceeding 50 t	
8426.9		- Other machinery:	
8426.91.00	18 No	-- Designed for mounting on road vehicles	5%
8426.99.00	19 No	-- Other	5%
8427		FORK-LIFT TRUCKS; OTHER WORKS TRUCKS FITTED WITH LIFTING OR HANDLING EQUIPMENT:	
8427.10.00		- Self-propelled trucks powered by an electric motor	5%
		<i>Fork-lift trucks:</i>	
		<i>.Non-rider type, having at a 600 mm load centre, a lifting capacity of:</i>	
	20 No	<i>..Less than 1 500 kg</i>	
	21 No	<i>..1 500 kg and over</i>	
		<i>.Rider type, having at a 600 mm load centre, a lifting capacity of:</i>	
	22 No	<i>..Less than 1 500 kg</i>	
	23 No	<i>..1 500 kg and over but less than 2 000 kg</i>	
	24 No	<i>..2 000 kg and over but less than 3 000 kg</i>	
	25 No	<i>..3 000 kg and over</i>	
	26 No	<i>Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/35

R.10

Reference Number	Statistical Code/Unit	Goods	Rate #
8427.20.00		- Other self-propelled trucks	5%
		<i>Fork-lift trucks, having at a 600 mm load centre, a lifting capacity of:</i>	
	01 No	<i>.Less than 1 500 kg</i>	
	02 No	<i>.1 500 kg and over but less than 2 000 kg</i>	
	03 No	<i>.2 000 kg and over but less than 3 000 kg</i>	
	04 No	<i>.3 000 kg and over but less than 4 000 kg</i>	
	05 No	<i>.4 000 kg and over but less than 5 000 kg</i>	
	06 No	<i>.5 000 kg and over but less than 6 000 kg</i>	
	07 No	<i>.6 000 kg and over</i>	
	08 No	<i>Other</i>	
8427.90.00	32 No	- Other trucks	5%
8428		OTHER LIFTING, HANDLING, LOADING OR UNLOADING MACHINERY (FOR EXAMPLE, LIFTS, ESCALATORS, CONVEYORS, TELEFERICS):	
8428.10.00	11 No	- Lifts and skip hoists	5%
8428.20.00	12 No	- Pneumatic elevators and conveyors	5%
8428.3		- Other continuous-action elevators and conveyors, for goods or materials:	
8428.31.00	13 No	-- Specially designed for underground use	5%
8428.32.00	14 No	-- Other, bucket type	5%
8428.33.00	15 No	-- Other, belt type	5%
8428.39.00	40 No	-- Other	5%
8428.40.00	17 No	- Escalators and moving walkways	5%
8428.60.00	19 No	- Teleferics, chair-lifts, ski-draglines; traction mechanisms for funiculars	5%
★ 8428.70.00	20 No	- Industrial robots	5%
★★ 8428.90.00	90 No	- Other machinery	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/22

★★ S Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/36

Reference Number	Statistical Code/Unit	Goods	Rate #
8429		SELF-PROPELLED BULLDOZERS, ANGLEDZERS, GRADERS, LEVELLERS, SCRAPERS, MECHANICAL SHOVELS, EXCAVATORS, SHOVEL LOADERS, TAMPING MACHINES AND ROAD ROLLERS:	
8429.1		- Bulldozers and angledozers:	
8429.11.00	38 No	-- Track laying	Free
8429.19.00	39 No	-- Other	Free
8429.20.00	40 No	- Graders and levellers	5%
8429.30.00	28 No	- Scrapers	5%
8429.40.00	29 No	- Tamping machines and road rollers	5%
8429.5		- Mechanical shovels, excavators and shovel loaders:	
8429.51		-- Front-end shovel loaders:	
8429.51.10	41 No	--- Goods, as follows: (a) track laying; (b) underground loaders having a payload capacity exceeding 16 t	Free
8429.51.90	36 No	--- Other	5%
8429.52		-- Machinery with a 360° revolving superstructure:	
8429.52.10	38 No	--- Goods, as follows: (a) electric walking draglines; (b) excavators of the track laying or wheeled type having an operating weight exceeding 12 t; (c) mechanical shovels having a shovel capacity exceeding 5 m ³	Free
8429.52.90	39 No	--- Other	5%
8429.59		-- Other:	
8429.59.10	36 ..	--- Mechanical shovels having a shovel capacity exceeding 5 m ³	Free
8429.59.90		--- Other	5%
	04 ..	<i>Four-wheel drive wheel loaders</i>	
	40 ..	<i>Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/37

R.7

Reference Number	Statistical Code/Unit	Goods	Rate #
8430		OTHER MOVING, GRADING, LEVELLING, SCRAPING, EXCAVATING, TAMPING, COMPACTING, EXTRACTING OR BORING MACHINERY, FOR EARTH, MINERALS OR ORES; PILE-DRIVERS AND PILE-EXTRACTORS; SNOW-PLOUGHS AND SNOW-BLOWERS:	
8430.10.00	06 No	- Pile-drivers and pile-extractors	Free
8430.20.00	07 No	- Snow-ploughs and snow-blowers	Free
8430.3		- Coal or rock cutters and tunnelling machinery:	
8430.31.00	08 No	-- Self-propelled	Free
8430.39.00	09 No	-- Other	Free
8430.4		- Other boring or sinking machinery:	
8430.41.00		-- Self-propelled	5% CA:Free
		<i>Rock boring machines:</i>	
	41 No	.Rotary and percussive rock drills	
	42 No	.Other	
	14 No	Other	
8430.49.00		-- Other	5% CA:Free
		<i>Rock boring machines:</i>	
	43 No	.Rotary and percussive rock drills	
	19 No	.Other	
	44 No	Other	
8430.50.00	45 No	- Other machinery, self-propelled	5% DCS:Free
8430.6		- Other machinery, not self-propelled:	
8430.61.00	23 No	-- Tamping or compacting machinery	5%
8430.69		-- Other:	
8430.69.10	30 No	--- Scrapers	5%
8430.69.90	32 No	--- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA

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DCT denotes the rate for HK, KR, SG and TW.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/38

Reference Number	Statistical Code/Unit	Goods	Rate #
8431		PARTS SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE MACHINERY OF 8425 TO 8430:	
8431.10.00		- Of machinery of 8425	5%
	27 ..	<i>Of pulley tackle and hoists, other than skiphoists or hoists of a kind used for raising vehicles</i>	
	46 ..	<i>Other</i>	
8431.20.00		- Of machinery of 8427	5%
		<i>Of fork-lift or elevating platform trucks:</i>	
	29 ..	<i>.Fork arms</i>	
	30 ..	<i>.Other</i>	
	31 ..	<i>Other</i>	
8431.3		- Of machinery of 8428:	
8431.31.00	01 ..	-- Of lifts, skip hoists or escalators	5%
★★ 8431.39.00	10 ..	-- Other	5%
8431.4		- Of machinery of 8426, 8429 or 8430:	
8431.41.00	03 ..	-- Buckets, shovels, grabs and grips	5%
8431.42.00	04 ..	-- Bulldozer or angledozer blades	5%
8431.43.00	31 ..	-- Parts for boring or sinking machinery of 8430.41.00 or 8430.49.00	5% DCS:4% CA:Free DCT:5%
8431.49		-- Other:	
8431.49.10	32 ..	--- Of machinery of 8430.3	Free
8431.49.90	33 ..	--- Other	5%
8432		AGRICULTURAL, HORTICULTURAL OR FORESTRY MACHINERY FOR SOIL PREPARATION OR CULTIVATION; LAWN OR SPORTS-GROUND ROLLERS:	
8432.10.00	08 No	- Ploughs	Free
8432.2		- Harrows, scarifiers, cultivators, weeders and hoes:	
8432.21.00	09 No	-- Disc harrows	Free
8432.29.00	47 No	-- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/39

R.6

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8432.3		-Seeders, planters and transplanters	
★★ 8432.31.00	02 No	-- No-till direct seeders, planters and transplanters	Free
★★ 8432.39.00	10 No	-- Other	Free
★ 8432.4		- Manure spreaders and fertiliser distributors:	
★★ 8432.41.00	11 No	-- Manure spreaders	Free
★★ 8432.42.00	17 No	-- Fertiliser distributors	Free
8432.80.00	14 No	- Other machinery	Free
8432.90.00		- Parts	Free
	15 No	<i>Discs</i>	
		<i>Other:</i>	
	35 ..	<i>.For agricultural, horticultural and forestry machinery</i>	
	59 ..	<i>.Other</i>	
8433		HARVESTING OR THRESHING MACHINERY, INCLUDING STRAW OR FODDER BALERS; GRASS OR HAY MOWERS; MACHINES FOR CLEANING, SORTING OR GRADING EGGS, FRUIT OR OTHER AGRICULTURAL PRODUCE, OTHER THAN MACHINERY OF 8437:	
8433.1		- Mowers for lawns, parks or sports-grounds:	
8433.11.00		-- Powered, with the cutting device rotating in a horizontal plane	5%
	55 No	<i>Ride-on or tractor mowers</i>	
	56 No	<i>Walk behind type mower</i>	
	48 No	<i>Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/40

Reference Number	Statistical Code/Unit	Goods	Rate #
8433.19.00		-- Other	5%
	62 No	<i>Ride-on or tractor mowers</i>	
	63 No	<i>Walk behind type mower</i>	
	66 No	<i>Other</i>	
8433.20.00	26 No	- Other mowers, including cutter bars for tractor mounting	5% DCS:4% DCT:5%
8433.30.00	49 No	- Other haymaking machinery	5% DCS:4% DCT:5%
8433.40		- Straw or fodder balers, including pick-up balers:	
8433.40.10	36 No	--- Round bale hay balers	Free
8433.40.90	37 No	--- Other	5% DCS:4% CA:Free DCT:5%
8433.5		- Other harvesting machinery; threshing machinery:	
8433.51.00	29 No	-- Combine harvester-threshers	Free
8433.52.00	30 No	-- Other threshing machinery	5% DCS:4% DCT:5%
8433.53.00	01 No	-- Root or tuber harvesting machines	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/41

R.8

Reference Number	Statistical Code/Unit	Goods	Rate #
8433.59		-- Other:	
8433.59.10	39 No	--- Goods, as follows: (a) cotton picking machines; (b) green maize harvesters; (c) tree shakers	Free
8433.59.90	43 No	--- Other	5% DCS:4% DCT:5%
8433.60.00	06 No	- Machines for cleaning, sorting or grading eggs, fruit or other agricultural produce	5% DCS:4% DCT:5%
8433.90		- Parts:	
8433.90.10	07 ..	--- Of machines of 8433.51.00	Free
8433.90.90	44 ..	--- Other	5% DCS:4% DCT:5%
8434		MILKING MACHINES AND DAIRY MACHINERY:	
8434.10.00	12 No	- Milking machines	5% DCS:4% DCT:5%
8434.20.00	13 No	- Dairy machinery	5% DCS:4% DCT:5%
8434.90.00	14 ..	- Parts	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

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★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/42

Reference Number	Statistical Code/Unit	Goods	Rate #
8435		PRESSES, CRUSHERS AND SIMILAR MACHINERY USED IN THE MANUFACTURE OF WINE, CIDER, FRUIT JUICES OR SIMILAR BEVERAGES:	
8435.10.00	15 ..	-Machinery	Free
8435.90.00	16 ..	-Parts	Free
8436		OTHER AGRICULTURAL, HORTICULTURAL, FORESTRY, POULTRY-KEEPING OR BEE-KEEPING MACHINERY, INCLUDING GERMINATION PLANT FITTED WITH MECHANICAL OR THERMAL EQUIPMENT; POULTRY INCUBATORS AND BROODERS:	
8436.10.00	17 ..	-Machinery for preparing animal feeding stuffs	5% DCS:4% CA:Free DCT:5%
8436.2		- Poultry-keeping machinery; poultry incubators and brooders:	
8436.21.00	18 No	-- Poultry incubators and brooders	5% DCS:4% CA:Free DCT:5%
8436.29.00	19 ..	-- Other	5% DCS:4% CA:Free DCT:5%
8436.80		-Other machinery:	
8436.80.10	41 ..	--- Goods, as follows: (a) tree fellers; (b) tree harvesters	Free
8436.80.90	42 ..	--- Other	5% DCS:4% CA:Free DCT:5%
8436.9		-Parts:	
8436.91.00	21 ..	-- Of poultry-keeping machinery or poultry incubators and brooders	5% DCS:4% CA:Free DCT:5%
8436.99.00	22 ..	-- Other	5% DCS:4% CA:Free DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/17

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Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

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If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/43

R.9

Reference Number	Statistical Code/Unit	Goods	Rate #
8437		MACHINES FOR CLEANING, SORTING OR GRADING SEED, GRAIN OR DRIED LEGUMINOUS VEGETABLES; MACHINERY USED IN THE MILLING INDUSTRY OR FOR THE WORKING OF CEREALS OR DRIED LEGUMINOUS VEGETABLES, OTHER THAN FARM-TYPE MACHINERY:	
8437.10.00	23 No	- Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables	5% DCS:4% DCT:5%
8437.80.00	24 No	- Other machinery	Free
8437.90.00	45 ..	- Parts	Free
★ 8438		MACHINERY, NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER, FOR THE INDUSTRIAL PREPARATION OR MANUFACTURE OF FOOD OR DRINK, OTHER THAN MACHINERY FOR THE EXTRACTION OR PREPARATION OF ANIMAL OR FIXED VEGETABLE OR MICROBIAL FATS OR OILS:	
8438.10		- Bakery machinery and machinery for the manufacture of macaroni, spaghetti or similar products:	
8438.10.10	27 ..	--- For the manufacture of macaroni, spaghetti or similar products	Free
8438.10.90	28 ..	--- Other	5% DCS:4% DCT:5%
8438.20.00	29 ..	- Machinery for the manufacture of confectionery, cocoa or chocolate	5% DCS:4% DCT:5%
8438.30.00	30 ..	- Machinery for sugar manufacture	5% DCS:4% DCT:5%
8438.40.00	31 ..	- Brewery machinery	5% DCS:4% DCT:5%
8438.50.00	32 ..	- Machinery for the preparation of meat or poultry	5%
8438.60.00	33 ..	- Machinery for the preparation of fruits, nuts or vegetables	5%
★★ 8438.80.00	35 ..	- Other machinery	5%
8438.90		- Parts:	
8438.90.10	38 ..	--- Of machinery of 8438.10, 8438.20.00, 8438.30.00 or 8438.40.00	5% DCS:4% DCT:5%
8438.90.90	37 ..	--- Other	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/22

★★ S Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/44

Reference Number	Statistical Code/Unit	Goods	Rate #
8439		MACHINERY FOR MAKING PULP OF FIBROUS CELLULOSIC MATERIAL OR FOR MAKING OR FINISHING PAPER OR PAPERBOARD:	
8439.10.00	01 ..	- Machinery for making pulp of fibrous cellulosic material	Free
8439.20.00	02 ..	- Machinery for making paper or paperboard	Free
8439.30.00	03 ..	- Machinery for finishing paper or paperboard	5% DCS:4% DCT:5%
8439.9		- Parts:	
8439.91.00	04 ..	-- Of machinery for making pulp of fibrous cellulosic material	Free
8439.99.00	05 ..	-- Other	5% DCS:4% CA:Free DCT:5%
8440		BOOK-BINDING MACHINERY, INCLUDING BOOK-SEWING MACHINES:	
8440.10.00	06 No	- Machinery	Free
8440.90.00	07 ..	- Parts	Free
8441		OTHER MACHINERY FOR MAKING UP PAPER PULP, PAPER OR PAPERBOARD, INCLUDING CUTTING MACHINES OF ALL KINDS:	
8441.10		- Cutting machines:	
8441.10.10	08 No	--- Machines, as follows: (a) sheeters (machines for cutting out sheets); (b) slitters; (c) slitter-rewinders	5% DCS:4% DCT:5%
8441.10.90	39 No	--- Other	Free
8441.20.00	12 No	- Machines for making bags, sacks or envelopes	Free
8441.30.00	36 No	- Machines for making cartons, boxes, cases, tubes, drums or similar containers, other than by moulding	Free
8441.40.00	15 No	- Machines for moulding articles in paper pulp, paper or paperboard	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/45

R.8

Reference Number	Statistical Code/Unit		Goods	Rate #
8441.80			- Other machinery:	
8441.80.10	16	No	--- Rewinders	5% DCS:4% DCT:5%
★★ 8441.80.90	90	No	--- Other	Free
8441.90			- Parts:	
8441.90.10	18	..	--- Of machines of 8441.10.10 and 8441.80.10	5% DCS:4% DCT:5%
8441.90.90			--- Other	Free
	19	..	<i>Of machines of 8441.10.90</i>	
	20	..	<i>Of automatic box and carton making machinery of 8441.30.00</i>	
	21	..	<i>Other</i>	
8442			MACHINERY, APPARATUS AND EQUIPMENT (OTHER THAN THE MACHINES OF 8456 TO 8465) FOR PREPARING OR MAKING PLATES, CYLINDERS OR OTHER PRINTING COMPONENTS; PLATES, CYLINDERS AND OTHER PRINTING COMPONENTS; PLATES, CYLINDERS AND LITHOGRAPHIC STONES, PREPARED FOR PRINTING PURPOSES (FOR EXAMPLE, PLANED, GRAINED OR POLISHED):	
8442.30.00	25	No	- Machinery, apparatus and equipment	Free
8442.40.00	40	..	- Parts of the foregoing machinery, apparatus or equipment	Free
8442.50.00	27	kg	- Plates, cylinders and other printing components; plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished)	Free
8443			PRINTING MACHINERY USED FOR PRINTING BY MEANS OF PLATES, CYLINDERS AND OTHER PRINTING COMPONENTS OF 8442; OTHER PRINTERS, COPYING MACHINES AND FACSIMILE MACHINES, WHETHER OR NOT COMBINED; PARTS AND ACCESSORIES THEREOF:	
8443.1			- Printing machinery used for printing by means of plates, cylinders and other printing components of 8442:	
8443.11.00	28	No	-- Offset printing machinery, reel-fed	Free
8443.12.00	29	No	-- Offset printing machinery, sheet-fed, office type (using sheets with one side not exceeding 22 cm and the other side not exceeding 36 cm in the unfolded state)	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/46

Reference Number	Statistical Code/Unit	Goods	Rate #
8443.13.00	50 No	-- Other offset printing machinery	Free
8443.14.00	51 No	-- Letterpress printing machinery, reel-fed, excluding flexographic printing	Free
8443.15.00	52 No	-- Letterpress printing machinery, other than reel-fed, excluding flexographic printing	Free
8443.16.00	53 No	-- Flexographic printing machinery	Free
8443.17.00	54 No	-- Gravure printing machinery	Free
8443.19		-- Other:	
8443.19.10	55 No	--- Hot stamping machines	5% DCS:4% CA:Free DCT:5%
8443.19.90	56 No	--- Other	Free
8443.3		- Other printers, copying machines and facsimile machines, whether or not combined:	
8443.31.00		-- Machines which perform two or more of the functions of printing, copying or facsimile transmission, capable of connecting to an automatic data processing machine or to a network	Free
	10 No	<i>Facsimile transmission as the principal function</i>	
		<i>Other:</i>	
	01 No	<i>. Weighing not more than 4 kg</i>	
	02 No	<i>. Weighing more than 4 kg but not more than 6 kg</i>	
	03 No	<i>. Weighing more than 6 kg but not more than 10 kg</i>	
	21 No	<i>. Weighing more than 10 kg but not more than 20 kg</i>	
	18 No	<i>. Weighing more than 20 kg but not more than 35 kg</i>	
	19 No	<i>. Weighing more than 35 kg but not more than 50 kg</i>	
	23 No	<i>. Weighing more than 50 kg but not more than 100 kg</i>	
	24 No	<i>. Weighing more than 100 kg but not more than 150 kg</i>	
	25 No	<i>. Weighing more than 150 kg but not more than 200 kg</i>	
	26 No	<i>. Weighing more than 200 kg but not more than 300 kg</i>	
	27 No	<i>. Weighing more than 300 kg but not more than 500 kg</i>	
	28 No	<i>. Weighing more than 500 kg</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/7/18

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/47

R.9

Reference Number	Statistical Code/Unit	Goods	Rate #
8443.32.00		-- Other, capable of connecting to an automatic data processing machine or to a network	Free
	30 No	<i>Facsimile machines</i>	
		<i>Printers:</i>	
	27 No	<i>.Weighing not more than 1 kg</i>	
	28 No	<i>.Weighing more than 1 kg but not more than 5 kg</i>	
★★	11 No	<i>.Weighing more than 5 kg but not more than 8 kg</i>	
★★	12 No	<i>.Weighing more than 8 kg but not more than 10 kg</i>	
	32 No	<i>.Weighing more than 10 kg but not more than 20 kg</i>	
	33 No	<i>.Weighing more than 20 kg but not more than 50 kg</i>	
	34 No	<i>.Weighing more than 50 kg but not more than 100 kg</i>	
	35 No	<i>.Weighing more than 100 kg but not more than 150 kg</i>	
	36 No	<i>.Weighing more than 150 kg but not more than 200 kg</i>	
	37 No	<i>.Weighing more than 200 kg but not more than 300 kg</i>	
	38 No	<i>.Weighing more than 300 kg but not more than 500 kg</i>	
	39 No	<i>.Weighing more than 500 kg</i>	
	80 No	<i>Other, including plotters</i>	
8443.39.00		-- Other	Free
	42 No	<i>Electrostatic photocopying apparatus operating by reproducing the original image directly onto the copy (direct process)</i>	
	43 No	<i>Electrostatic photocopying apparatus operating by reproducing the original image via an intermediate onto the copy (indirect process)</i>	
	44 No	<i>Other photocopying apparatus</i>	
		<i>Other:</i>	
	92 No	<i>.Thermo-copying apparatus</i>	
	93 No	<i>.Ink-jet</i>	
	94 No	<i>.Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free. .

★★ S Operative 1/7/18

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/48

Reference Number	Statistical Code/Unit	Goods	Rate #
8443.9		- Parts and accessories:	
8443.91		-- Parts and accessories of printing machinery used for printing by means of plates, cylinders and other printing components of 8442:	
★ 8443.91.10	60 ..	--- Of machines of 8443.19.10	3.75% CA:Free
		From 1 July 2017	2.5% CA:Free
		From 1 July 2018	1.25% CA:Free
		From 1 July 2019	Free
8443.91.90		--- Other	Free
	66 ..	<i>Accessories</i>	
	69 ..	<i>Parts</i>	
8443.99.00		-- Other	Free
	71 ..	<i>Paper feeders</i>	
	72 ..	<i>Sorters</i>	
	75 ..	<i>Other</i>	
8444.00.00	06 No	MACHINES FOR EXTRUDING, DRAWING, TEXTURING OR CUTTING MAN-MADE TEXTILE MATERIALS	Free
8445		MACHINES FOR PREPARING TEXTILE FIBRES; SPINNING, DOUBLING OR TWISTING MACHINES AND OTHER MACHINERY FOR PRODUCING TEXTILE YARNS; TEXTILE REELING OR WINDING (INCLUDING WEFT-WINDING) MACHINES AND MACHINES FOR PREPARING TEXTILE YARNS FOR USE ON THE MACHINES OF 8446 OR 8447:	
8445.1		- Machines for preparing textile fibres:	
8445.11.00	07 No	-- Carding machines	Free
8445.12.00	08 No	-- Combing machines	Free
8445.13.00	09 No	-- Drawing or roving machines	Free
8445.19.00	05 No	-- Other	Free
8445.20.00	12 No	- Textile spinning machines	Free
8445.30.00	13 No	- Textile doubling or twisting machines	Free
8445.40.00	14 No	- Textile winding (including weft-winding) or reeling machines	Free
8445.90.00	15 No	- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/49

R.7

Reference Number	Statistical Code/Unit	Goods	Rate #
8446		WEAVING MACHINES (LOOMS):	
8446.10.00	16 No	- For weaving fabrics of a width not exceeding 30 cm	Free
8446.2		- For weaving fabrics of a width exceeding 30 cm, shuttle type:	
8446.21.00	17 No	-- Power looms	Free
8446.29.00	18 No	-- Other	Free
8446.30.00	19 No	- For weaving fabrics of a width exceeding 30 cm, shuttleless type	Free
8447		KNITTING MACHINES, STITCH-BONDING MACHINES AND MACHINES FOR MAKING GIMPED YARN, TULLE, LACE, EMBROIDERY, TRIMMINGS, BRAID OR NET AND MACHINES FOR TUFTING:	
8447.1		- Circular knitting machines:	
8447.11.00	20 No	-- With cylinder diameter not exceeding 165 mm	Free
8447.12.00	21 No	-- With cylinder diameter exceeding 165 mm	Free
8447.20.00	22 No	- Flat knitting machines; stitch-bonding machines	Free
8447.90.00	23 No	- Other	5% DCS:Free
8448		AUXILIARY MACHINERY FOR USE WITH MACHINES OF 8444.00.00, 8445, 8446 OR 8447 (FOR EXAMPLE, DOBBIES, JACQUARDS, AUTOMATIC STOP MOTIONS, SHUTTLE CHANGING MECHANISMS); PARTS AND ACCESSORIES SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE MACHINES OF THIS HEADING OR OF 8444.00.00, 8445, 8446 OR 8447 (FOR EXAMPLE, SPINDLES AND SPINDLE FLYERS, CARD CLOTHING, COMBS, EXTRUDING NIPPLES, SHUTTLES, HEALDS AND HEALD-FRAMES, HOSIERY NEEDLES):	
8448.1		- Auxiliary machinery for machines of 8444.00.00, 8445, 8446 or 8447:	
8448.11.00	24 ..	-- Dobbies and Jacquards; card reducing, copying, punching or assembling machines for use therewith	Free
8448.19.00	25 ..	-- Other	Free
8448.20.00	26 ..	- Parts and accessories of machines of 8444.00.00 or of their auxiliary machinery	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free. .

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/50

Reference Number	Statistical Code/Unit		Goods	Rate #
8448.3			- Parts and accessories of machines of 8445 or of their auxiliary machinery:	
8448.31.00	27	..	-- Card clothing	Free
8448.32.00	28	..	-- Of machines for preparing textile fibres, other than card clothing	Free
8448.33.00	29	No	-- Spindles, spindle flyers, spinning rings and ring travellers	Free
8448.39.00	30	..	-- Other	Free
8448.4			- Parts and accessories of weaving machines (looms) or of their auxiliary machinery:	
8448.42.00	32	No	-- Reeds for looms, healds and heald-frames	Free
8448.49.00	31	No	-- Other	Free
8448.5			- Parts and accessories of machines of 8447 or of their auxiliary machinery:	
8448.51.00	34	..	-- Sinkers, needles and other articles used in forming stitches	Free
8448.59.00	35	..	-- Other	Free
8449.00.00	36	..	MACHINERY FOR THE MANUFACTURE OR FINISHING OF FELT OR NONWOVENS IN THE PIECE OR IN SHAPES, INCLUDING MACHINERY FOR MAKING FELT HATS; BLOCKS FOR MAKING HATS	Free
8450			HOUSEHOLD OR LAUNDRY-TYPE WASHING MACHINES, INCLUDING MACHINES WHICH BOTH WASH AND DRY:	
8450.1			- Machines, each of a dry linen capacity not exceeding 10 kg:	
8450.11.00			-- Fully-automatic machines	5%
	42	No	<i>Top loading</i>	
	04	No	<i>Front loading</i>	
8450.12.00	09	No	-- Other machines, with built-in centrifugal drier	5%
8450.19.00	07	No	-- Other	5%
8450.20.00	08	No	- Machines, each of a dry linen capacity exceeding 10 kg	5% DCS:4% DCT:5%
8450.90.00	41	..	- Parts	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free. .

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/51

R.8

Reference Number	Statistical Code/Unit	Goods	Rate #
8451		MACHINERY (OTHER THAN MACHINES OF 8450) FOR WASHING, CLEANING, WRINGING, DRYING, IRONING, PRESSING (INCLUDING FUSING PRESSES), BLEACHING, DYEING, DRESSING, FINISHING, COATING OR IMPREGNATING TEXTILE YARNS, FABRICS OR MADE UP TEXTILE ARTICLES AND MACHINES FOR APPLYING THE PASTE TO THE BASE FABRIC OR OTHER SUPPORT USED IN THE MANUFACTURE OF FLOOR COVERINGS SUCH AS LINOLEUM; MACHINES FOR REELING, UNREELING, FOLDING, CUTTING OR PINKING TEXTILE FABRICS:	
8451.10.00	11 No	- Dry-cleaning machines	5% DCS:4% DCT:5%
8451.2		- Drying machines:	
8451.21.00	18 No	-- Each of a dry linen capacity not exceeding 10 kg	5%
8451.29.00	14 No	-- Other	5% DCS:4% DCT:5%
8451.30.00		- Ironing machines and presses (including fusing presses)	Free
	15 No	<i>Household type</i>	
	16 No	<i>Other</i>	
8451.40.00	22 No	- Washing, bleaching or dyeing machines	Free
8451.50.00	19 ..	- Machines for reeling, unreeling, folding, cutting or pinking textile fabrics	Free
8451.80.00	20 No	- Other machinery	5% DCS:Free
8451.90.00	43 ..	- Parts	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free. .

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/52

Reference Number	Statistical Code/Unit	Goods	Rate #
8452		SEWING MACHINES, OTHER THAN BOOK-SEWING MACHINES OF 8440; FURNITURE, BASES AND COVERS SPECIALLY DESIGNED FOR SEWING MACHINES; SEWING MACHINE NEEDLES:	
8452.10.00		- Sewing machines of the household type	Free
	10 No	<i>Sewing machines</i>	
	37 No	<i>Overlockers</i>	
	15 No	<i>Other</i>	
8452.2		- Other sewing machines:	
8452.21.00	26 No	-- Automatic units	Free
8452.29.00	29 No	-- Other	Free
8452.30.00	28 No	- Sewing machine needles	Free
8452.90.00	35 ..	- Furniture, bases and covers for sewing machines and parts thereof; other parts of sewing machines	Free
8453		MACHINERY FOR PREPARING, TANNING OR WORKING HIDES, SKINS OR LEATHER OR FOR MAKING OR REPAIRING FOOTWEAR OR OTHER ARTICLES OF HIDES, SKINS OR LEATHER, OTHER THAN SEWING MACHINES:	
8453.10.00	31 ..	- Machinery for preparing, tanning or working hides, skins or leather	Free
8453.20.00	32 No	- Machinery for making or repairing footwear	Free
8453.80.00	33 ..	- Other machinery	Free
8453.90.00	34 ..	- Parts	Free
8454		CONVERTERS, LADLES, INGOT MOULDS AND CASTING MACHINES, OF A KIND USED IN METALLURGY OR IN METAL FOUNDRIES:	
8454.10.00	01 No	- Converters	5% DCS:4% CA:Free DCT:5%
8454.20.00	02 No	- Ingot moulds and ladles	5% DCS:4% CA:Free DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free. .

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/53

R.6

Reference Number	Statistical Code/Unit		Goods	Rate #
8454.30.00	03	No	- Casting machines	5% DCS:4% CA:Free DCT:5%
8454.90.00	04	..	- Parts	5% DCS:4% CA:Free DCT:5%
8455			METAL-ROLLING MILLS AND ROLLS THEREFOR:	
8455.10.00	05	No	- Tube mills	Free
8455.2			- Other rolling mills:	
8455.21.00	06	No	-- Hot or combination hot and cold	Free
8455.22.00	07	No	-- Cold	Free
8455.30.00	08	No	- Rolls for rolling mills	Free
8455.90.00	09	..	- Other parts	Free
8456			MACHINE-TOOLS FOR WORKING ANY MATERIAL BY REMOVAL OF MATERIAL, BY LASER OR OTHER LIGHT OR PHOTON BEAM, ULTRASONIC, ELECTRO-DISCHARGE, ELECTRO-CHEMICAL, ELECTRON BEAM, IONIC-BEAM OR PLASMA ARC PROCESSES; WATER-JET CUTTING MACHINES:	
★ 8456.1			- Operated by laser or other light or photon beam processes:	
★ 8456.11.00	11	No	-- Operated by laser	Free
★★				
★ 8456.12.00	12	No	-- Operated by other light or photon beam processes	Free
★★				
8456.20.00	16	No	- Operated by ultrasonic processes	Free
8456.30.00	17	No	- Operated by electro-discharge processes	Free

★ Subheading 8456.10.00 repealed 1/1/17.

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free. .

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/54

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8456.40.00	13 No	- Operated by plasma-arc processes	Free
★★ 8456.50.00	49 No	- Water-jet cutting machines	5%
★★ 8456.90.00	50 No	- Other	Free
8457		MACHINING CENTRES, UNIT CONSTRUCTION MACHINES (SINGLE STATION) AND MULTI-STATION TRANSFER MACHINES, FOR WORKING METAL:	
8457.10.00	14 No	- Machining centres	Free
8457.20.00	15 No	- Unit construction machines (single station)	Free
8457.30.00	16 No	- Multi-station transfer machines	Free
8458		LATHES (INCLUDING TURNING CENTRES) FOR REMOVING METAL:	
8458.1		- Horizontal lathes:	
8458.11.00	17 No	-- Numerically controlled	Free
8458.19.00	18 No	-- Other	Free
8458.9		- Other lathes:	
8458.91.00	19 No	-- Numerically controlled	Free
8458.99.00	20 No	-- Other	Free
8459		MACHINE-TOOLS (INCLUDING WAY-TYPE UNIT HEAD MACHINES) FOR DRILLING, BORING, MILLING, THREADING OR TAPPING BY REMOVING METAL, OTHER THAN LATHES (INCLUDING TURNING CENTRES) OF 8458:	
8459.10.00	21 No	- Way-type unit head machines	Free
8459.2		- Other drilling machines:	
8459.21.00	22 No	-- Numerically controlled	Free
8459.29		-- Other:	
8459.29.10	23 No	--- Power operated	Free
8459.29.90	24 No	--- Other	5%
8459.3		- Other boring-milling machines:	
8459.31.00	25 No	-- Numerically controlled	Free
8459.39.00	26 No	-- Other	Free

★ Subheadings 8456.90, 8456.90.10, 8456.90.90, repealed 1/1/17.

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/17

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/55

R.10

Reference Number	Statistical Code/Unit	Goods	Rate #
8459.4		- Other boring machines:	
8459.41.00	30 No	-- Numerically controlled	Free
8459.49.00	34 No	-- Other	Free
8459.5		- Milling machines, knee-type:	
8459.51.00	28 No	-- Numerically controlled	Free
8459.59.00	29 No	-- Other	Free
8459.6		- Other milling machines:	
8459.61.00	31 No	-- Numerically controlled	Free
8459.69.00	32 No	-- Other	Free
8459.70.00	07 No	- Other threading or tapping machines	Free
8460		MACHINE-TOOLS FOR DEBURRING, SHARPENING, GRINDING, HONING, LAPPING, POLISHING OR OTHERWISE FINISHING METAL OR CERMETS BY MEANS OF GRINDING STONES, ABRASIVES OR POLISHING PRODUCTS, OTHER THAN GEAR CUTTING, GEAR GRINDING OR GEAR FINISHING MACHINES OF 8461:	
8460.1		- Flat-surface grinding machines:	
8460.12.00	01 No	-- Numerically controlled	Free
8460.19.00	30 No	-- Other	Free
8460.2		- Other grinding machines:	
8460.22.00	34 No	-- Centreless grinding machines, numerically controlled	Free
8460.23.00	35 No	-- Other cylindrical grinding machines, numerically controlled	Free
8460.24.00	36 No	-- Other, numerically controlled	Free
8460.29.00	37 No	-- Other	Free
8460.3		- Sharpening (tool or cutter grinding) machines:	
8460.31.00	12 No	-- Numerically controlled	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/17

Unless otherwise indicated general rate applies for CA.

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The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/56

Reference Number	Statistical Code/Unit	Goods	Rate #
8460.39		-- Other:	
8460.39.10	13 No	--- Power operated	Free
8460.39.90	14 No	--- Other	5%
8460.40		- Honing or lapping machines:	
8460.40.10	15 No	--- Power operated	Free
8460.40.90	16 No	--- Other	5%
8460.90.00	38 No	- Other	Free
8461		MACHINE-TOOLS FOR PLANING, SHAPING, SLOTTING, BROACHING, GEAR CUTTING, GEAR GRINDING OR GEAR FINISHING, SAWING, CUTTING-OFF AND OTHER MACHINE-TOOLS WORKING BY REMOVING METAL OR CERMETS, NOT ELSEWHERE SPECIFIED OR INCLUDED:	
8461.20.00	20 No	- Shaping or slotting machines	Free
8461.30.00	21 No	- Broaching machines	Free
8461.40.00	22 No	- Gear cutting, gear grinding or gear finishing machines	Free
8461.50.00	23 No	- Sawing or cutting-off machines	Free
8461.90.00	19 No	- Other	Free
★ 8462		MACHINE-TOOLS (INCLUDING PRESSES) FOR WORKING METAL BY FORGING, HAMMERING OR DIE FORGING (EXCLUDING ROLLING MILLS); MACHINE-TOOLS (INCLUDING PRESSES, SLITTING LINES AND CUT-TO-LENGTH LINES) FOR WORKING METAL BY BENDING, FOLDING, STRAIGHTENING, FLATTENING, SHEARING, PUNCHING, NOTCHING OR NIBBLING (EXCLUDING DRAW-BENCHES); PRESSES FOR WORKING METAL OR METAL CARBIDES, NOT SPECIFIED ABOVE:	
★ 8462.1		- Hot forming machines for forging, die forging (including presses) and hot hammers:	
★ 8462.11		-- Closed die forging machines:	
★ 8462.11.10	01 No	--- Power operated	Free
★ 8462.11.90	02 No	--- Other	5%
★ 8462.19		-- Other:	
★ 8462.19.10	03 No	--- Power operated	Free
★ 8462.19.90	04 No	--- Other	5%

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★ Operative 1/1/22

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/57

R.11

Reference Number	Statistical Code/Unit		Goods	Rate #
★ 8462.2			- Bending, folding, straightening or flattening machines (including press brakes) for flat products:	
★ 8462.22			-- Profile forming machines:	
★ 8462.22.10	05	No	--- Numerically controlled or power operated	Free
★ 8462.22.90	06	No	--- Other	5%
★ 8462.23.00	07	No	-- Numerically controlled press brakes	Free
★ 8462.24.00	08	No	-- Numerically controlled panel benders	Free
★ 8462.25.00	09	No	-- Numerically controlled roll forming machines	Free
★ 8462.26.00	10	No	-- Other numerically controlled bending, folding, straightening or flattening machines	Free
★ 8462.29			-- Other:	
★ 8462.29.10	19	No	--- Power operated	Free
★ 8462.29.90	20	No	--- Other	5%
★ 8462.3			- Slitting lines, cut-to-length lines and other shearing machines (excluding presses) for flat products, other than combined punching and shearing machines:	
★ 8462.32			-- Slitting lines and cut-to-length lines:	
★ 8462.32.10	31	No	--- Numerically controlled or power operated	Free
★ 8462.32.90	32	No	--- Other	5%
★ 8462.33.00	33	No	-- Numerically controlled shearing machines	Free
★ 8462.39			-- Other:	
★ 8462.39.10	38	No	--- Power operated	Free
★ 8462.39.90	39	No	--- Other	5%
★ 8462.4			- Punching, notching or nibbling machines (excluding presses) for flat products including combined punching and shearing machines:	
★ 8462.42.00	41	No	-- Numerically controlled	Free
★ 8462.49			-- Other:	
★ 8462.49.10	42	No	--- Power operated	Free
★ 8462.49.20	43	No	--- Nibbling machines	Free
★ 8462.49.90	49	No	--- Other	5%
★ 8462.5			- Machines for working tube, pipe, hollow section and bar (excluding presses):	
★ 8462.51.00	51	No	-- Numerically controlled	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/58

Reference Number	Statistical Code/Unit		Goods	Rate #
★ 8462.59			-- Other:	
★ 8462.59.10	58	No	--- Power operated	Free
★ 8462.59.90	59	No	--- Other	5%
★ 8462.6			- Cold metal working presses:	
★ 8462.61			-- Hydraulic presses:	
★ 8462.61.10	61	No	--- Numerically controlled or power operated	Free
★ 8462.61.90	62	No	--- Other	5%
★ 8462.62			-- Mechanical presses:	
★ 8462.62.10	63	No	--- Numerically controlled or power operated	Free
★ 8462.62.90	64	No	--- Other	5%
★ 8462.63			-- Servo-presses:	
★ 8462.63.10	65	No	--- Numerically controlled or power operated	Free
★ 8462.63.90	66	No	--- Other	5%
★ 8462.69			-- Other:	
★ 8462.69.10	67	No	--- Numerically controlled or power operated	Free
★ 8462.69.90	68	No	--- Other	5%
★ 8462.90			- Other:	
★ 8462.90.10	90	No	--- Numerically controlled or power operated	Free
★ 8462.90.90	91	No	--- Other	5%
8463			OTHER MACHINE-TOOLS FOR WORKING METAL OR CERMETS, WITHOUT REMOVING MATERIAL:	
8463.10.00	08	No	- Draw-benches for bars, tubes, profiles, wire or the like	Free
8463.20.00	09	No	- Thread rolling machines	Free
8463.30.00	10	No	- Machines for working wire	Free
★★ 8463.90.00	12	No	- Other	Free
8464			MACHINE-TOOLS FOR WORKING STONE, CERAMICS, CONCRETE, ASBESTOS-CEMENT OR LIKE MINERAL MATERIALS OR FOR COLD WORKING GLASS:	
8464.10.00	10	..	- Sawing machines	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/22

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If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/59

R.12

Reference Number	Statistical Code/Unit		Goods	Rate #
8464.20.00	20	..	- Grinding or polishing machines	5%
8464.90.00	90	..	- Other	5%
8465			MACHINE-TOOLS (INCLUDING MACHINES FOR NAILING, STAPLING, GLUEING OR OTHERWISE ASSEMBLING) FOR WORKING WOOD, CORK, BONE, HARD RUBBER, HARD PLASTICS OR SIMILAR HARD MATERIALS:	
8465.10.00	15	No	- Machines which can carry out different types of machining operations without tool change between such operations	5%
8465.20			- Machining centres:	
8465.20.70	22	No	--- Machining centres that perform 2 or more of the following: a) bending; b) assembling; c) drilling; d) morticing; e) splitting; f) splicing; g) paring	Free
8465.20.80	27	No	--- Machining centres that perform 2 or more of the following: a) sawing; b) planing; c) milling; d) moulding (by cutting); e) grinding; f) sanding; g) polishing	5%
8465.20.90	28	No	--- Other	5%
8465.9			- Other:	
8465.91.00	29	No	-- Sawing machines	5%
8465.92.00	31	No	-- Planing, milling or moulding (by cutting) machines	5%
8465.93.00	32	No	-- Grinding, sanding or polishing machines	5%
8465.94.00	33	No	-- Bending or assembling machines	Free
8465.95.00	36	No	-- Drilling or morticing machines	Free
8465.96.00	37	No	-- Splitting, slicing or paring machines	Free
★★ 8465.99.00	39	No	-- Other	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/60

(Page 84/60A follows)

Reference Number	Statistical Code/Unit	Goods	Rate #
8466		PARTS AND ACCESSORIES SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE MACHINES OF 8456 TO 8465, INCLUDING WORK OR TOOL HOLDERS, SELF-OPENING DIEHEADS, DIVIDING HEADS AND OTHER SPECIAL ATTACHMENTS FOR THE MACHINES; TOOL HOLDERS FOR ANY TYPE OF TOOL FOR WORKING IN THE HAND:	
8466.10.00	40 No	- Tool holders and self-opening dieheads	Free
8466.20.00	41 No	- Work holders	Free
8466.30.00	42 No	- Dividing heads and other special attachments for machines	Free
8466.9		- Other:	
8466.91.00	20 No	-- For machines of 8464	Free
8466.92.00	30 No	-- For machines of 8465	5%
8466.93		-- For machines of 8456 to 8461:	
8466.93.10	34 No	--- For water-jet cutting machines	5%
8466.93.90	35 No	--- Other	Free
★★ 8466.94.00	41 No	-- For machines of 8462 or 8463	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/60A

Reference Number	Statistical Code/Unit	Goods	Rate #
8467		TOOLS FOR WORKING IN THE HAND, PNEUMATIC, HYDRAULIC OR WITH SELF-CONTAINED ELECTRIC OR NON-ELECTRIC MOTOR:	
8467.1		- Pneumatic:	
8467.11.00	12 No	-- Rotary type (including combined rotary percussion)	Free
8467.19.00		-- Other	Free
	06 No	<i>Staplers, tackers or nailers</i>	
		<i>Other:</i>	
		<i>.Impact:</i>	
	07 No	<i>..Wrenches</i>	
	08 No	<i>..Other</i>	
	09 No	<i>.Other</i>	
8467.2		- With self-contained electric motor:	
8467.21.00		-- Drills of all kinds	5%
		<i>Rotary hammer drills:</i>	
	21 No	<i>.Having capacity for a drill bit not exceeding 13 mm in diameter</i>	
	22 No	<i>.Other</i>	
		<i>Other:</i>	
		<i>.Battery powered drills:</i>	
	23 No	<i>..Having capacity for a drill bit not exceeding 13 mm in diameter</i>	
	24 No	<i>..Other</i>	
	25 No	<i>.Other</i>	
8467.22.00		-- Saws	5%
	43 No	<i>Circular saws</i>	
	44 No	<i>Jigsaws</i>	
	48 No	<i>Other</i>	
8467.29.00		-- Other	5%
	50 No	<i>Blower, sweeper or vacuum</i>	
	51 No	<i>Grinders</i>	
	52 No	<i>Planers</i>	
	53 No	<i>Routers</i>	
		<i>Sanders and polishers:</i>	
	55 No	<i>.Orbital</i>	
	56 No	<i>.Other</i>	
	57 No	<i>Screwdrivers</i>	
	58 No	<i>Garden edgers or trimmers, with line or blade head</i>	
	59 No	<i>Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/60B

(Page 84/61 follows)

Reference Number	Statistical Code/Unit	Goods	Rate #
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Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/61

R. 11

Reference Number	Statistical Code/Unit	Goods	Rate #
8467.8		- Other tools:	
8467.81.00	10 No	-- Chain saws	5%
8467.89.00		-- Other	Free
	60 No	Blower, sweeper or vacuum	
	28 No	Garden edgers or trimmers, with line or blade head	
	68 No	Other	
8467.9		- Parts:	
8467.91.00	69 ..	-- Of chain saws	5%
8467.92.00	14 ..	-- Of pneumatic tools	Free
8467.99		-- Other:	
8467.99.10	71 ..	--- Of goods of 8467.21.00, 8467.22.00 or 8467.29.00	5%
8467.99.90	73 ..	--- Other	Free
8468		MACHINERY AND APPARATUS FOR SOLDERING, BRAZING OR WELDING, WHETHER OR NOT CAPABLE OF CUTTING, OTHER THAN THOSE OF 8515; GAS-OPERATED SURFACE TEMPERING MACHINES AND APPLIANCES:	
8468.10.00	16 ..	- Hand-held blow pipes	Free
8468.20		- Other gas-operated machinery and apparatus:	
8468.20.10	17 ..	--- For working metal, incorporating a computer control	Free
8468.20.90	18 ..	--- Other	5% DCS:4% DCT:5%
8468.80.00	19 No	- Other machinery and apparatus	5% DCS:4% DCT:5%
8468.90.00	20 ..	- Parts	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/62

Reference Number	Statistical Code/Unit	Goods	Rate #
8470		CALCULATING MACHINES AND POCKET-SIZE DATA RECORDING, REPRODUCING AND DISPLAYING MACHINES WITH CALCULATING FUNCTIONS; ACCOUNTING MACHINES, POSTAGE-FRANKING MACHINES, TICKET-ISSUING MACHINES AND SIMILAR MACHINES, INCORPORATING A CALCULATING DEVICE; CASH REGISTERS:	
8470.10.00		- Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions	Free
		<i>Calculating machines:</i>	
		<i>.Non-printing:</i>	
	40 No	<i>..With stored program</i>	
	41 No	<i>..Other</i>	
	46 No	<i>.Printing</i>	
	47 No	<i>Other</i>	
8470.2		- Other electronic calculating machines:	
8470.21.00	07 No	-- Incorporating a printing device	Free
8470.29.00	78 No	-- Other	Free
8470.30.00	09 No	- Other calculating machines	Free
8470.50.00	11 No	- Cash registers	Free
8470.90.00	15 No	- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/63

R.12

Reference Number	Statistical Code/Unit	Goods	Rate #
8471		AUTOMATIC DATA PROCESSING MACHINES AND UNITS THEREOF; MAGNETIC OR OPTICAL READERS, MACHINES FOR TRANSCRIBING DATA ONTO DATA MEDIA IN CODED FORM AND MACHINES FOR PROCESSING SUCH DATA, NOT ELSEWHERE SPECIFIED OR INCLUDED:	
★★ 8471.30.00		- Portable automatic data processing machines, weighing not more than 10 kg, consisting of at least a central processing unit, a keyboard and a display	Free
		<i>Laptops, notebooks, palmtops and tablets:</i>	
	31 No	<i>.Weighing not more than 1 kg</i>	
	35 No	<i>.Weighing more than 1 kg but not more than 2 kg</i>	
	36 No	<i>.Weighing more than 2 kg but not more than 3 kg</i>	
	34 No	<i>.Weighing more than 3kg but not more than 10kg</i>	
	90 No	<i>Other</i>	
8471.4		- Other automatic data processing machines:	
★★ 8471.41.00		-- Comprising in the same housing at least a central processing unit and an input and output unit, whether or not combined	Free
	22 No	<i>.Weighing not more than 1 kg</i>	
	23 No	<i>.Weighing more than 1 kg but not more than 2 kg</i>	
	24 No	<i>.Weighing more than 2 kg but not more than 5 kg</i>	
	25 No	<i>.Weighing more than 5 kg but not more than 8 kg</i>	
	26 No	<i>.Weighing more than 8 kg but not more than 12 kg</i>	
	27 No	<i>.Weighing more than 12 kg</i>	
★★ 8471.49.00		-- Other, presented in the form of systems	Free
	31 No	<i>.Weighing not more than 1 kg</i>	
	32 No	<i>.Weighing more than 1 kg but not more than 5 kg</i>	
	33 No	<i>.Weighing more than 5 kg</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/7/18

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/64

Reference Number	Statistical Code/Unit	Goods	Rate #
★★ 8471.50.00		- Processing units other than those of 8471.41.00 or 8471.49.00, whether or not containing in the same housing one or two of the following types of unit: storage units, input units, output units	Free
	41 No	.Weighing not more than 1 kg	
	42 No	.Weighing more than 1 kg but not more than 5 kg	
	43 No	.Weighing more than 5 kg but not more than 10 kg	
	44 No	.Weighing more than 10 kg but not more than 15 kg	
	45 No	.Weighing more than 15 kg	
★★ 8471.60.00		- Input or output units, whether or not containing storage units in the same housing	Free
	55 No	Keyboards	
	91 No	Joystick/game pads	
	92 No	Mouse/trackball	
		Scanners:	
	65 No	.Weighing not more than 1 kg	
	66 No	.Weighing more than 1 kg but not more than 5 kg	
	67 No	.Weighing more than 5 kg	
		Other	
	87 No	.Weighing not more than 500g	
	88 No	.Weighing more than 500g but not more than 1 kg	
	94 No	.Weighing more than 1 kg but not more than 5 kg	
	97 No	.Weighing more than 5 kg	
★★ 8471.70.00		- Storage units	Free
	20 No	CD (Compact Disc) drives (including burners)	
	25 No	DVD (Digital Video Disc) drives (including burners)	
	74 No	Hard drives	
	42 No	Tape drives	
		Other	
	51 No	.Weighing not more than 500g	
	52 No	.Weighing more than 500g but not more than 1 kg	
	53 No	.Weighing more than 1 kg but not more than 5 kg	
	54 No	.Weighing more than 5 kg	
8471.80.00	35 No	- Other units of automatic data processing machines	Free
8471.90.00	40 No	- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/7/18

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/65

R. 10

Reference Number	Statistical Code/Unit	Goods	Rate #
8472		OTHER OFFICE MACHINES (FOR EXAMPLE, HECTOGRAPH OR STENCIL DUPLICATING MACHINES, ADDRESSING MACHINES, AUTOMATIC BANKNOTE DISPENSERS, COIN-SORTING MACHINES, COIN-COUNTING OR WRAPPING MACHINES, PENCIL-SHARPENING MACHINES, PERFORATING OR STAPLING MACHINES):	
8472.10.00	01 No	- Duplicating machines	Free
8472.30.00	81 ..	- Machines for sorting or folding mail or for inserting mail in envelopes or bands, machines for opening, closing or sealing mail and machines for affixing or cancelling postage stamps	Free
8472.90		- Other:	
★ 8472.90.10	05 No	--- Stapling machines	3.75%
		From 1 July 2017	2.5%
		From 1 July 2018	1.25%
		From 1 July 2019	Free
★★ 8472.90.90	09 No	--- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/17

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/66

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8473		PARTS AND ACCESSORIES (OTHER THAN COVERS, CARRYING CASES AND THE LIKE) SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE MACHINES OF 8470 TO 8472:	
8473.2		- Parts and accessories of the machines of 8470:	
8473.21.00	64 ..	-- Of the electronic calculating machines of 8470.10.00, 8470.21.00 or 8470.29.00	Free
8473.29.00		-- Other	Free
	53 ..	<i>Of cash-registers</i>	
	55 ..	<i>Other</i>	
★★ 8473.30.00		- Parts and accessories of the machines of 8471	Free
	62 No	<i>Parts (excluding those of 9620)</i> <i>.Cards (including network, sound, video, IDE, SCSI, and other similar cards)</i>	
	68 No	<i>.Motherboards</i>	
		<i>.Other</i>	
	71 No	<i>..Weighing less than 1 kg</i>	
	72 No	<i>..Weighing 1 kg or more but less than 5 kg</i>	
	73 No	<i>..Weighing 5 kg or more</i>	
	86 No	<i>Accessories (excluding those for 9620)</i>	
★★ 8473.40.00	08 ..	- Parts and accessories of the machines of 8472	Free
★ 8473.50.00	46 ..	- Parts and accessories equally suitable for use with the machines of two or more of 8470 to 8472	Free
★★			
8474		MACHINERY FOR SORTING, SCREENING, SEPARATING, WASHING, CRUSHING, GRINDING, MIXING OR KNEADING EARTH, STONE, ORES OR OTHER MINERAL SUBSTANCES, IN SOLID (INCLUDING POWDER OR PASTE) FORM; MACHINERY FOR AGGLOMERATING, SHAPING OR MOULDING SOLID MINERAL FUELS, CERAMIC PASTE, UNHARDENED CEMENTS, PLASTERING MATERIALS OR OTHER MINERAL PRODUCTS IN POWDER OR PASTE FORM; MACHINES FOR FORMING FOUNDRY MOULDS OF SAND:	
8474.10.00	22 No	- Sorting, screening, separating or washing machines	5% DCS:4% CA:Free DCT:5%
8474.20.00	23 No	- Crushing or grinding machines	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/17

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/67

R.11

Reference Number	Statistical Code/Unit	Goods	Rate #
8474.3		- Mixing or kneading machines:	
8474.31.00	24 No	-- Concrete or mortar mixers	5%
8474.32.00	25 No	-- Machines for mixing mineral substances with bitumen	5%
8474.39.00	26 No	-- Other	5% DCS:4% CA:Free DCT:5%
8474.80.00	27 No	- Other machinery	5% DCS:4% CA:Free DCT:5%
8474.90.00	28 ..	- Parts	5% CA:Free
8475		MACHINES FOR ASSEMBLING ELECTRIC OR ELECTRONIC LAMPS, TUBES OR VALVES OR FLASH-BULBS, IN GLASS ENVELOPES; MACHINES FOR MANUFACTURING OR HOT WORKING GLASS OR GLASSWARE:	
8475.10.00	29 No	- Machines for assembling electric or electronic lamps, tubes or valves or flash-bulbs, in glass envelopes	Free
8475.2		- Machines for manufacturing or hot working glass or glassware:	
8475.21.00	52 No	-- Machines for making optical fibres and preforms thereof	Free
★★ 8475.29.00	56 No	-- Other	5% DCS:4% DCT:5%
8475.90		- Parts:	
8475.90.10	54 ..	--- Of machines of 8475.21.00	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
★★ 8475.90.90	57 ..	--- Other	5% DCS:4% DCT:5%
8476		AUTOMATIC GOODS-VENDING MACHINES (FOR EXAMPLE, POSTAGE STAMP, CIGARETTE, FOOD OR BEVERAGE MACHINES), INCLUDING MONEY-CHANGING MACHINES:	
8476.2		- Automatic beverage-vending machines:	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/68

Reference Number	Statistical Code/Unit	Goods	Rate #
8476.21.00	29 No	-- Incorporating heating or refrigerating devices	5% DCS:4% DCT:5%
8476.29.00	30 No	-- Other	5% DCS:4% DCT:5%
8476.8		- Other machines:	
8476.81.00	31 No	-- Incorporating heating or refrigerating devices	5% DCS:4% DCT:5%
8476.89		-- Other:	
8476.89.10	32 No	--- Money-changing machines	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
8476.89.90	33 No	--- Other	5% DCS:4% DCT:5%
8476.90		- Parts:	
8476.90.10	34 ..	--- Of machines of 8476.89.10	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
8476.90.90	35 ..	--- Other	5% DCS:4% DCT:5%
8477		MACHINERY FOR WORKING RUBBER OR PLASTICS OR FOR THE MANUFACTURE OF PRODUCTS FROM THESE MATERIALS, NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER:	
8477.10.00	50 No	- Injection-moulding machines	5% DCS:4% DCT:5%
8477.20.00	20 No	- Extruders	5% DCS:4% DCT:5%
8477.30.00	21 No	- Blow moulding machines	5% DCS:4% DCT:5%
8477.40.00	25 No	- Vacuum moulding machines and other thermoforming machines	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/69

R. 9

Reference Number	Statistical Code/Unit		Goods	Rate #
8477.5			- Other machinery for moulding or otherwise forming:	
8477.51.00	08	No	-- For moulding or retreading pneumatic tyres or for moulding or otherwise forming inner tubes	5% DCS:4% CA:Free DCT:5%
8477.59.00	90	No	-- Other	5% DCS:4% DCT:5%
★ ★ 8477.80.00	23	No	- Other machinery	5% DCS:4% DCT:5%
★ ★ 8477.90.00	51	..	- Parts	5% DCS:4% DCT:5%
8478			MACHINERY FOR PREPARING OR MAKING UP TOBACCO, NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER:	
8478.10.00	12	No	- Machinery	Free
8478.90.00	13	..	- Parts	Free
8479			MACHINES AND MECHANICAL APPLIANCES HAVING INDIVIDUAL FUNCTIONS, NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER:	
8479.10.00	14	No	- Machinery for public works, building or the like	5% DCS:4% DCT:5%
★ 8479.20			- Machinery for the extraction or preparation of animal or fixed vegetable or microbial fats or oils:	
★ 8479.20.10	20	No	--- Machinery for the extraction or preparation of microbial fats or oils	5%
★ 8479.20.90	90	No	--- Other	Free
8479.30.00	16	No	- Presses for the manufacture of particle board or fibre building board of wood or other ligneous materials and other machinery for treating wood or cork	Free
8479.40.00	17	No	- Rope or cable-making machines	Free
8479.50			- Industrial robots, not elsewhere specified or included:	
8479.50.10	33	No	--- Of a kind used for treating metal	Free
8479.50.20	34	No	--- Of a kind used for mixing, kneading, crushing, grinding, screening, sifting, homogenising, emulsifying or stirring	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/22

★ ★ S Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/70

Reference Number	Statistical Code/Unit	Goods	Rate #
8479.50.90	50 No	--- Other	5%
8479.60.00	36 No	-Evaporative air coolers	5%
8479.7		- Passenger boarding bridges:	
8479.71.00	23 No	-- Of a kind used in airports	5%
8479.79.00	24 No	-- Other	5%
8479.8		- Other machines and mechanical appliances:	
★★ 8479.81.00	16 No	-- For treating metal, including electric wire coil-winders	Free
8479.82.00	38 No	-- Mixing, kneading, crushing, grinding, screening, sifting, homogenising, emulsifying or stirring machines	5% DCS:4% DCT:5%
★ 8479.83		-- Cold isostatic presses:	
★ 8479.83.10	01 No	--- For treating metal, including electric wire coil-winders	Free
★ 8479.83.90	90 ..	--- Other	5%
8479.89		-- Other:	
8479.89.10	20 No	--- Gas-operated machinery and apparatus for cutting metal, incorporating a computer control	Free
8479.89.20	21 No	--- Automated electronic component placement machines of a kind used solely or principally for the manufacture of printed circuit assemblies	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8479.89.30	22 No	--- Plasma cleaner machines that remove organic contaminants from electron microscopy specimens and specimen holders	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
★★ 8479.89.90	91 ..	--- Other	5%
8479.90		- Parts:	
8479.90.10	24 ..	--- Of machines of 8479.89.20	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
★★ 8479.90.90	26 ..	--- Other	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/22

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/71

R.7

Reference Number	Statistical Code/Unit	Goods	Rate #
8480		MOULDING BOXES FOR METAL FOUNDRY; MOULD BASES; MOULDING PATTERNS; MOULDS FOR METAL (OTHER THAN INGOT MOULDS), METAL CARBIDES, GLASS, MINERAL MATERIALS, RUBBER OR PLASTICS:	
8480.10.00	01 ..	- Moulding boxes for metal foundry	5% DCS:4% DCT:5%
8480.20.00	02 ..	- Mould bases	5% DCS:4% DCT:5%
8480.30.00	03 ..	- Moulding patterns	5% DCS:4% DCT:5%
8480.4		- Moulds for metal or metal carbides:	
8480.41.00	04 ..	-- Injection or compression types	5% DCS:4% DCT:5%
8480.49.00	05 ..	-- Other	5% DCS:4% DCT:5%
8480.50.00	06 ..	- Moulds for glass	5% DCS:4% DCT:5%
8480.60.00	07 ..	- Moulds for mineral materials	5% DCS:4% DCT:5%
8480.7		- Moulds for rubber or plastics:	
8480.71.00	10 ..	-- Injection or compression types	5% DCS:4% DCT:5%
8480.79.00	09 ..	-- Other	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/72

Reference Number	Statistical Code/Unit	Goods	Rate #
8481		TAPS, COCKS, VALVES AND SIMILAR APPLIANCES FOR PIPES, BOILER SHELLS, TANKS, VATS OR THE LIKE, INCLUDING PRESSURE-REDUCING VALVES AND THERMO-STATICALLY CONTROLLED VALVES:	
8481.10.00	10 No	- Pressure-reducing valves	5%
8481.20.00	11 No	- Valves for oleohydraulic or pneumatic transmissions	5%
8481.30.00	12 No	- Check (nonreturn) valves	5%
8481.40.00	13 No	- Safety or relief valves	5%
8481.80		- Other appliances:	
8481.80.10	14 No	--- Hydraulic control valves specially designed for use in agricultural tractors for the operation of agricultural implements	Free
8481.80.90		--- Other	5%
	18 No	<i>Valves, NSA: ..Designed for the automatic control of temperature, humidity, pressure, vacuum or rate of flow</i>	
	37 No	<i>..Other: ..Gate valves</i>	
	38 No	<i>..Butterfly valves</i>	
	39 No	<i>..Globe valves</i>	
	40 No	<i>..Ball valves</i>	
	43 No	<i>..Pneumatic control valves</i>	
	44 No	<i>..Regulating valves</i>	
	45 No	<i>..Instrumentation valves</i>	
	55 No	<i>..Other</i>	
	57 No	<i>Other</i>	
8481.90		- Parts:	
8481.90.10	21 ..	--- For appliances of 8481.80.10	Free
8481.90.90	59 ..	--- Other	5%
8482		BALL OR ROLLER BEARINGS:	
8482.10		- Ball bearings:	
8482.10.10		--- Of a kind used as components in passenger motor vehicles	5% CA:Free
	47 No	<i>Ground</i>	
	48 No	<i>Unground</i>	
8482.10.90		--- Other	5% CA:Free
	49 No	<i>Ground</i>	
	50 No	<i>Unground</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/73

R.9

Reference Number	Statistical Code/Unit		Goods	Rate #
8482.20			- Tapered roller bearings, including cone and tapered roller assemblies:	
8482.20.10	51	No	--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8482.20.90	52	No	--- Other	5% CA:Free
8482.30.00	26	No	- Spherical roller bearings	5% DCS:4% CA:Free DCT:5%
★ 8482.40			- Needle roller bearings, including cage and needle roller assemblies:	
★ 8482.40.1			--- For propeller shaft universal joints of a kind used with vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705:	
8482.40.11	53	No	---- Of a kind used as components in passenger motor vehicles	5% CA:Free
8482.40.19	54	No	---- Other	5% CA:Free
8482.40.90	28	No	--- Other	5% DCS:4% CA:Free DCT:5%
★ 8482.50.00	29	No	- Other cylindrical roller bearings, including cage and roller assemblies	5% DCS:4% CA:Free DCT:5%
8482.80.00	30	..	- Other, including combined ball/roller bearings	5% DCS:4% CA:Free DCT:5%
8482.9			- Parts:	
8482.91			-- Balls, needles and rollers:	
8482.91.10	51	..	--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8482.91.90	52	..	--- Other	5% CA:Free
8482.99			-- Other:	
8482.99.10	53	..	--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8482.99.90	54	..	--- Other	5% CA:Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/74

Reference Number	Statistical Code/Unit		Goods	Rate #
8483			TRANSMISSION SHAFTS (INCLUDING CAM SHAFTS AND CRANK SHAFTS) AND CRANKS; BEARING HOUSINGS AND PLAIN SHAFT BEARINGS; GEARS AND GEARING; BALL OR ROLLER SCREWS; GEAR BOXES AND OTHER SPEED CHANGERS, INCLUDING TORQUE CONVERTERS; FLYWHEELS AND PULLEYS, INCLUDING PULLEY BLOCKS; CLUTCHES AND SHAFT COUPLINGS (INCLUDING UNIVERSAL JOINTS):	
8483.10			- Transmission shafts (including cam shafts and crank shafts) and cranks:	
8483.10.10	46	No	--- For outboard motors	Free
8483.10.9			--- Other:	
8483.10.91	88	No	---- Of a kind used as components in passenger motor vehicles	5% CA:Free
8483.10.99	89	No	---- Other	5% CA:Free
8483.20.00	09	No	- Bearing housings, incorporating ball or roller bearings	5%
8483.30			- Bearing housings, not incorporating ball or roller bearings; plain shaft bearings:	
8483.30.10	90	..	--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8483.30.90	91	..	--- Other	5% CA:Free
8483.40			- Gears and gearing, other than toothed wheels, chain sprockets and other transmission elements presented separately; ball or roller screws; gear boxes and other speed changers, including torque converters:	
★ 8483.40.1			--- Of a kind used for internal combustion piston engines of the vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705, other than for fuel injection equipment for compression-ignition engines (diesel or semi-diesel engines):	
8483.40.11	92	No	---- Of a kind used as components in passenger motor vehicles	5% CA:Free
8483.40.19	93	No	---- Other	5% CA:Free
8483.40.90			--- Other	5%
	96	No	<i>Replacement equipment for motor vehicles</i>	
	12	No	<i>Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/75

R.1

Reference Number	Statistical Code/Unit		Goods	Rate #
8483.50			- Flywheels and pulleys, including pulley blocks:	
★ 8483.50.1			--- Of a kind used for internal combustion piston engines of the vehicles of 8701.21.00, 8701.22.00, 8701.23.00, 8701.24.00, 8701.29.00, 8702, 8703, 8704 or 8705, other than for fuel injection equipment for compression-ignition engines (diesel or semi-diesel engines):	
8483.50.11	94	..	---- Of a kind used as components in passenger motor vehicles	5% CA:Free
8483.50.19	95	..	---- Other	5% CA:Free
8483.50.90	98	No	--- Other	5%
8483.60			- Clutches and shaft couplings (including universal joints):	
8483.60.10	30	No	--- Of a kind used as components in passenger motor vehicles	5%
8483.60.90	31	No	--- Other	5% DCS:4% DCT:5%
8483.90.00	29	..	- Toothed wheels, chain sprockets and other transmission elements presented separately; parts	5%
8484			GASKETS AND SIMILAR JOINTS OF METAL SHEETING COMBINED WITH OTHER MATERIAL OR OF TWO OR MORE LAYERS OF METAL; SETS OR ASSORTMENTS OF GASKETS AND SIMILAR JOINTS, DISSIMILAR IN COMPOSITION, PUT UP IN POUCHES, ENVELOPES OR SIMILAR PACKINGS; MECHANICAL SEALS:	
8484.10			- Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal:	
8484.10.10	21	No	--- Of a kind used as components in passenger motor vehicles	5%
8484.10.90	22	No	--- Other	5% DCS:4% DCT:5%
8484.20.00	20	..	- Mechanical seals	5%
8484.90			- Other:	
8484.90.10	11	..	--- Of a kind used as components in passenger motor vehicles	5%
8484.90.90	24	..	--- Other	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/76

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8485		MACHINES FOR ADDITIVE MANUFACTURING:	
★ 8485.10.00	01 No	- By metal deposit	Free
★ 8485.20.00	02 No	- By plastics or rubber deposit	5% DCS:4% DCT:5%
★ 8485.30		- By plaster, cement, ceramics or glass deposit:	
★ 8485.30.10	03 No	--- By glass deposit	5% DCS:4% DCT:5%
★ 8485.30.90	04 No	--- Other	5%
★ 8485.80		- Other:	
★ 8485.80.10	05 No	--- By paper pulp, paper or paperboard deposit	Free
★ 8485.80.90	06 No	--- Other	5%
★ 8485.90		- Parts:	
★ 8485.90.10	07 ..	--- For goods of 8485.10.00	Free
★ 8485.90.20	08 ..	--- For goods of 8485.20.00 or 8485.30.10	5% DCS:4% DCT:5%
★ 8485.90.90	90 ..	--- Other	5%
★ 8486		MACHINES AND APPARATUS OF A KIND USED SOLELY OR PRINCIPALLY FOR THE MANUFACTURE OF SEMICONDUCTOR BOULES OR WAFERS, SEMICONDUCTOR DEVICES, ELECTRONIC INTEGRATED CIRCUITS OR FLAT PANEL DISPLAYS; MACHINES AND APPARATUS SPECIFIED IN NOTE 11(C) TO THIS CHAPTER; PARTS AND ACCESSORIES:	
8486.10		- Machines and apparatus for the manufacture of boules or wafers:	
8486.10.10	10 ..	--- Machines and apparatus, as follows: (a) for growing or pulling monocrystal semiconductor boules; (b) machine-tools for working material by removal of material, by the processes specified in 8456 (including laser or other light or photon beam, ionic-beam or electron beam processes); (c) spin dryers for semiconductor wafer processing; (d) sawing machines for sawing monocrystal semiconductor boules into slices; (e) grinding, polishing or lapping machines; (f) industrial or laboratory electric furnaces or ovens	Free
★ 8486.10.20	20 ..	--- Machines and apparatus, NSA, which, but for the operation of Note 11(D) to this Chapter, would be classified in 8543.70.00	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/77

R.1

Reference Number	Statistical Code/Unit	Goods	Rate #
8486.10.30	30 ..	--- Machines and apparatus, NSA, for the treatment of materials by a process involving a change of temperature	5% DCS:4% DCT:5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8486.10.90	90 ..	--- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8486.20		- Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	
8486.20.10	40 ..	--- Machines and apparatus, as follows: (a) appliances (including spraying appliances) for wet-etching, developing, stripping or cleaning semiconductor wafers; (b) physical deposition apparatus (including apparatus for deposition by sputtering) on semiconductor wafers; (c) chemical vapour deposition apparatus; (d) machine-tools for working material by removal of material, by the processes specified in 8456 (including laser or other light or photon beam, ionic-beam or electron beam processes); (e) epitaxial deposition machines; (f) industrial or laboratory electric furnaces or ovens; (g) spinners for coating photographic emulsions on semiconductor wafers; (h) for dry-etching patterns on semiconductor materials; (i) ion implanters for doping semiconductor materials; (k) apparatus for the projection or drawing of circuit patterns on sensitised semiconductor materials; (l) sawing machines for sawing wafers into chips; (m) dicing machines for scribing or scoring semiconductor wafers	Free
★ 8486.20.20	57 ..	--- Machines and apparatus, NSA, which, but for the operation of Note 11(D) to this Chapter, would be classified in 8543.70.00	Free
★ 8486.20.30	59 No	--- Machines and apparatus, NSA, which, but for the operation of Note 11(D) to this Chapter, would be classified in 8477	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/78

Reference Number	Statistical Code/Unit	Goods	Rate #
8486.20.40	60 No	--- Centrifuges, including centrifugal dryers	3.75%
		From 1 July 2017	2.5%
		From 1 July 2018	1.25%
		From 1 July 2019	Free
8486.20.90	61 ..	--- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8486.30		- Machines and apparatus for the manufacture of flat panel displays:	
8486.30.10	52 ..	--- Goods, as follows: (a) apparatus for wet-etching, developing, stripping or cleaning of flat panel displays; (b) apparatus and equipment for projection, drawing or plating circuit patterns, used for the manufacture of flat panel displays; (c) machine-tools for working material by removal of material, by the processes specified in 8456 (including laser or other light or photon beam, ionic-beam or electron beam processes); (d) spinners for coating photographic emulsions	Free
★ 8486.30.20	78 ..	--- Machines and apparatus, NSA, which, but for the operation of Note 11(D) to this Chapter, would be classified in 8543.70.00	Free
8486.30.30	80 No	--- Mechanical appliances for projecting, dispersing or spraying liquids, for use in the manufacture of flat panel displays, NSA	5% DCS:4% DCT:5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8486.30.40	81 No	--- Centrifuges, including centrifugal dryers	3.75%
		From 1 July 2017	2.5%
		From 1 July 2018	1.25%
		From 1 July 2019	Free
8486.30.90	54 ..	--- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/79

R.1

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8486.40		- Machines and apparatus specified in Note 11(C) to this Chapter:	
8486.40.10	54 ..	--- Machines and apparatus, as follows: (a) machine-tools for working material by removal of material, by the processes specified in 8456 (including laser or other light or photon beam, ionic-beam or electron beam processes); (b) optical and other microscopes; (c) drawing or marking-out instruments; (d) die attach apparatus, tape automated bonders, and wire bonders for the assembly of semiconductors; (e) encapsulation equipment for the assembly of semiconductors; (f) for bending, folding and straightening semiconductor leads; (g) soldering, brazing or welding machines, of a kind described in 8515, for working metal, incorporating a computer control; (h) industrial robots, being automated machines for transport, handling and storage of semiconductor wafers, wafer cassettes or wafer boxes; (i) injection or compression moulds for rubber or plastics for the manufacture of semiconductor devices	Free
★ 8486.40.20	20 ..	--- Machines and apparatus, NSA, which, but for the operation of Note 11(D) to this Chapter, would be classified in 8543.70.00	Free
★ 8486.40.3		--- Machines and apparatus, NSA, which, but for the operation of Note 11(D) to this Chapter, would be classified in 8477 or 8480.71.00:	
8486.40.31	55 ..	---- Injection or compression moulds for rubber or plastics, other than goods of 8486.40.10	5% DCS:4% DCT:5%
		From 1 July 2019	Free
8486.40.39	56 ..	---- Other	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
8486.40.40	40 No	--- Deflash machines for cleaning and removing contaminants from the metal leads of semiconductor packages prior to the electroplating process	Free
8486.40.9		--- Other, including machinery for lifting, handling, loading or unloading of boules, wafers, semiconductor devices, electronic integrated circuits and flat panel displays:	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/80

Reference Number	Statistical Code/Unit	Goods	Rate #
8486.40.91	57 No	---- Machinery for lifting, handling, loading or unloading of boules, wafers, semiconductor devices, electronic integrated circuits and flat panel displays	3.75%
		From 1 July 2017	2.5%
		From 1 July 2018	1.25%
		From 1 July 2019	Free
8486.40.99	58 No	---- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8486.90		- Parts and accessories:	
8486.90.10	17 ..	--- Of goods of 8486.10.10, 8486.20.10, 8486.30.10 and 8486.40.10, other than goods of 8486.90.40	Free
8486.90.20	20 ..	--- Of goods of 8486.10.20, 8486.20.20, 8486.30.20 and 8486.40.20	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8486.90.30	30 ..	--- Of goods of 8486.20.30 and 8486.40.3	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
8486.90.40	40 ..	--- Of soldering, brazing or welding machines of a kind described in 8515	5% CA:Free
		From 1 July 2018	2.5% CA:Free
		From 1 July 2019	Free
8486.90.50	50 No	--- Of machine-tools of a kind described in 8464, NSA	Free
8486.90.60	60 ..	--- Of goods of 8486.30.30 or 8486.40.40	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
★ 8486.90.70	70 ..	--- Which, but for the operation of Note 11(D) to this Chapter, would be classified in 8466.10.00, 8466.20.00 or 8466.30.00	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 84/81

(Chapter 85 follows)

Reference Number	Statistical Code/Unit	Goods	Rate #
8486.90.9		--- Other	
★ ★★ 8486.90.91	90 ..	---- Of goods of 8486.10.30	3.75%
		From 1 July 2017	2.5%
		From 1 July 2018	1.25%
		From 1 July 2019	Free
★ ★★ 8486.90.92	92 ..	---- Of goods of 8486.20.40 or 8486.30.40	5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
★ ★★ 8486.90.93	93 ..	---- Of goods of 8486.40.91	3.75%
		From 1 July 2017	2.5%
		From 1 July 2018	1.25%
		From 1 July 2019	Free
★ ★★ 8486.90.99	94 ..	---- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8487		MACHINERY PARTS, NOT CONTAINING ELECTRICAL CONNECTORS, INSULATORS, COILS, CONTACTS OR OTHER ELECTRICAL FEATURES, NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER:	
8487.10.00	10 No	-Ships' or boats' propellers and blades therefor	5% DCS:4% DCT:5%
★★ 8487.90.00	91 ..	- Other	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

CHAPTER 85

Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles

- 8501 Electric motors and generators (excluding generating sets)
- 8502 Electric generating sets and rotary converters
- 8503 Parts suitable for use solely or principally with the machines of 8501 or 8502
- 8504 Electrical transformers, static converters (for example, rectifiers) and inductors
- 8505 Electro-magnets; permanent magnets and articles intended to become permanent magnets after magnetisation; electro-magnetic or permanent magnet chucks, clamps and similar holding devices; electro-magnetic couplings, clutches and brakes; electro-magnetic lifting heads
- 8506 Primary cells and primary batteries
- 8507 Electric accumulators, including separators therefor, whether or not rectangular (including square)
- 8508 Vacuum cleaners
- 8509 Electro-mechanical domestic appliances, with self-contained electric motor, other than vacuum cleaners of 8508
- 8510 Shavers, hair clippers and hair-removing appliances, with self-contained electric motor
- 8511 Electrical ignition or starting equipment of a kind used for spark-ignition or compression-ignition internal combustion engines (for example, ignition magnetos, magneto-dynamos, ignition coils, sparking plugs and glow plugs, starter motors); generators (for example, dynamos, alternators) and cut-outs of a kind used in conjunction with such engines
- 8512 Electrical lighting or signalling equipment (excluding articles of 8539), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles
- 8513 Portable electric lamps designed to function by their own source of energy (for example, dry batteries, accumulators, magnetos), other than lighting equipment of 8512
- 8514 Industrial or laboratory electric furnaces and ovens (including those functioning by induction or dielectric loss); other industrial or laboratory equipment for the heat treatment of materials by induction or dielectric loss
- 8515 Electric (including electrically heated gas), laser or other light or photon beam, ultrasonic, electron beam, magnetic pulse or plasma arc soldering, brazing or welding machines and apparatus, whether or not capable of cutting; electric machines and apparatus for hot spraying of metals or cermets
- 8516 Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electro-thermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric smoothing irons; other electro-thermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of 8545
- ★ 8517 Telephone sets, including smartphones and other telephones for cellular networks or for other wireless networks; other apparatus for the transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network (such as a local or wide area network), other than transmission or reception apparatus of 8443, 8525, 8527 or 8528
- 8518 Microphones and stands therefor; loudspeakers, whether or not mounted in their enclosures; headphones and earphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers; audio-frequency electric amplifiers; electric sound amplifier sets
- 8519 Sound recording or reproducing apparatus

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 85/2**

- 8520 No heading
- 8521 Video recording or reproducing apparatus, whether or not incorporating a video tuner
- 8522 Parts and accessories suitable for use solely or principally with the apparatus of 8519 to 8521
- 8523 Discs, tapes, solid-state non-volatile storage devices, “smart cards” and other media for the recording of sound or of other phenomena, whether or not recorded, including matrices and masters for the production of discs, but excluding products of Chapter 37
- ★ 8524 Flat panel display modules, whether or not incorporating touch-sensitive screens
- 8525 Transmission apparatus for radio-broadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras, digital cameras and video camera recorders
- 8526 Radar apparatus, radio navigational aid apparatus and radio remote control apparatus
- 8527 Reception apparatus for radio-broadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock
- 8528 Monitors and projectors, not incorporating television reception apparatus; reception apparatus for television, whether or not incorporating radio-broadcast receivers or sound or video recording or reproducing apparatus
- ★ 8529 Parts suitable for use solely or principally with the apparatus of 8524 to 8528
- 8530 Electrical signalling, safety or traffic control equipment for railways, tramways, roads, inland waterways, parking facilities, port installations or airfields (other than those of 8608.00.00)
- 8531 Electric sound or visual signalling apparatus (for example, bells, sirens, indicator panels, burglar or fire alarms), other than those of 8512 or 8530
- 8532 Electrical capacitors, fixed, variable or adjustable (pre-set)
- 8533 Electrical resistors (including rheostats and potentiometers), other than heating resistors
- 8534 Printed circuits
- 8535 Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, fuses, lightning arresters, voltage limiters, surge suppressors, plugs, and other connectors, junction boxes), for a voltage exceeding 1 000 volts
- 8536 Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders and other connectors, junction boxes), for a voltage not exceeding 1 000 volts; connectors for optical fibres, optical fibre bundles or cables
- 8537 Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of 8535 or 8536, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of Chapter 90, and numerical control apparatus, other than switching apparatus of 8517
- 8538 Parts suitable for use solely or principally with the apparatus of 8535, 8536 or 8537
- ★ 8539 Electric filament or discharge lamps, including sealed beam lamp units and ultra-violet or infra-red lamps; arc-lamps; light-emitting diode (LED) light sources
- 8540 Thermionic, cold cathode or photo-cathode valves and tubes (for example, vacuum or vapour or gas-filled valves and tubes, mercury arc rectifying valves and tubes, cathode-ray tubes, television camera tubes)
- ★ 8541 Semiconductor devices (for example, diodes, transistors, semiconductor-based transducers); photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes (LED), whether or not assembled with other light-emitting diodes (LED); mounted piezo-electric crystals

**CUSTOMS TARIFF
SCHEDULE 3**

R.7

**Section 16
Chapter 85/3**

- 8542 Electronic integrated circuits
 - 8543 Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this Chapter
 - 8544 Insulated (including enamelled or anodised) wire, cable (including co-axial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fibre cables, made up of individually sheathed fibres, whether or not assembled with electric conductors or fitted with connectors
 - 8545 Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon, with or without metal, of a kind used for electrical purposes
 - 8546 Electrical insulators of any material
 - 8547 Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of insulating material apart from any minor components of metal (for example, threaded sockets) incorporated during moulding solely for purposes of assembly, other than insulators of 8546; electrical conduit tubing and joints therefor, of base metal lined with insulating material
 - ★ 8548 Electrical parts of machinery or apparatus, not specified or included elsewhere in this Chapter
 - ★ 8549 Electrical and electronic waste and scrap
-

Notes.

- 1.- This Chapter does not cover:
 - (a) Electrically warmed blankets, bed pads, foot-muffs or the like; electrically warmed clothing, footwear or ear pads or other electrically warmed articles worn on or about the person;
 - (b) Articles of glass of 7011;
 - (c) Machines and apparatus of 8486;
 - (d) Vacuum apparatus of a kind used in medical, surgical, dental or veterinary sciences (Chapter 90); or
 - (e) Electrically heated furniture of Chapter 94.
- 2.- 8501 to 8504 do not apply to goods described in 8511, 8512, 8540, 8541 or 8542.
However, metal tank mercury arc rectifiers remain classified in 8504.
- 3.- For the purposes of 8507, “electric accumulators” includes those presented with ancillary components which contribute to the accumulator’s function of storing and supplying energy or protect it from damage, such as electrical connectors, temperature control devices (for example, thermistors) and circuit protection devices. They may also include a portion of the protective housing of the goods in which they are to be used.
- 4.- 8509 covers only the following electro-mechanical machines of the kind commonly used for domestic purposes:
 - (a) Floor polishers, food grinders and mixers, and fruit or vegetable juice extractors, of any weight;
 - (b) Other machines provided the weight of such machines does not exceed 20 kg.

The heading does not, however, apply to fans or ventilating or recycling hoods incorporating a fan, whether or not fitted with filters (8414), centrifugal clothes-dryers (8421), dish washing machines (8422), household washing machines (8450), roller or other ironing machines (8420 or 8451), sewing machines (8452), electric scissors (8467) or to electro-thermic appliances (8516).

★ Operational 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 85/4**

- ★ 5.- For the purposes of 8517, “smartphones” means telephones for cellular networks, equipped with a mobile operating system designed to perform the functions of an automatic data processing machine such as downloading and running multiple applications simultaneously, including third-party applications, and whether or not integrating other features such as digital cameras and navigational aid systems.
- 6.- For the purposes of 8523:
- (a) “Solid-state non-volatile storage devices” (for example, “flash memory cards” or “flash electronic storage cards”) are storage devices with a connecting socket, comprising in the same housing one or more flash memories (for example, “FLASH E²PROM”) in the form of integrated circuits mounted on a printed circuit board. They may include a controller in the form of an integrated circuit and discrete passive components, such as capacitors and resistors;
- (b) “Smart cards” means cards which have embedded in them one or more electronic integrated circuits (a microprocessor, random access memory (RAM) or read-only memory (ROM)) in the form of chips. These cards may contain contacts, a magnetic stripe or an embedded antenna but do not contain any other active or passive circuit elements.
- ★ 7.- For the purposes of 8524, “flat panel display modules” refer to devices or apparatus for the display of information, equipped at a minimum with a display screen, which are designed to be incorporated into articles of other headings prior to use. Display screens for flat panel display modules include, but are not limited to, those which are flat, curved, flexible, foldable or stretchable in form. Flat panel display modules may incorporate additional elements, including those necessary for receiving video signals and the allocation of those signals to pixels on the display. However, 8524 does not include display modules which are equipped with components for converting video signals (e.g. a scaler IC, decoder IC or application processor) or have otherwise assumed the character of goods of other headings.

For the classification of flat panel display modules defined in this Note, 8524 shall take precedence over any other heading in this Schedule.

- 8.- For the purposes of 8534.00.00, "printed circuits" are circuits obtained by forming on an insulating base, by any printing process (for example, embossing, plating-up, etching) or by the "film circuit" technique, conductor elements, contacts or other printed components (for example, inductances, resistors, capacitors) alone or interconnected according to a pre-established pattern, other than elements which can produce, rectify, modulate or amplify an electrical signal (for example, semiconductor elements).

"Printed circuits" does not cover circuits combined with elements other than those obtained during the printing process, nor does it cover individual, discrete resistors, capacitors or inductances. Printed circuits may, however, be fitted with non-printed connecting elements.

Thin- or thick-film circuits comprising passive and active elements obtained during the same technological process are to be classified in 8542.

- 9.- For the purposes of 8536, “connectors for optical fibres, optical fibre bundles or cables” means connectors that simply mechanically align optical fibres end to end in a digital line system. They perform no other function, such as the amplification, regeneration or modification of a signal.
- 10.- 8537 does not include cordless infrared devices for the remote control of television receivers or other electrical equipment (8543).

- ★ **Notes 5, 6, 7 and 8 have been renumbered as Notes 6, 8, 9 and 10 respectively.**

R.10

- ★ 11.- For the purposes of 8539, “light-emitting diode (LED) light sources” covers:
- (a) “Light-emitting diode (LED) modules” which are electrical light sources based on light-emitting diodes (LED) arranged in electrical circuits and containing further elements like electrical, mechanical, thermal or optical elements. They also contain discrete active elements, discrete passive elements, or articles of 8536 or 8542 for the purposes of providing power supply or power control. Light-emitting diode (LED) modules do not have a cap designed to allow easy installation or replacement in a luminaire and ensure mechanical and electrical contact.
 - (b) “Light-emitting diode (LED) lamps” which are electrical light sources containing one or more LED modules containing further elements like electrical, mechanical, thermal or optical elements. The distinction between light-emitting diode (LED) modules and light-emitting diode (LED) lamps is that lamps have a cap designed to allow easy installation or replacement in a luminaire and ensure mechanical and electrical contact.

12.- For the purposes of 8541 and 8542:

- ★ (a)(i) “Semiconductor devices” are semiconductor devices the operation of which depends on variations in resistivity on the application of an electric field or semiconductor-based transducers.

Semiconductor devices may also include assembly of plural elements, whether or not equipped with active and passive device ancillary functions.

“Semiconductor-based transducers” are, for the purposes of this definition, semiconductor-based sensors, semiconductor-based actuators, semiconductor-based resonators and semiconductor-based oscillators, which are types of discrete semiconductor-based devices, which perform an intrinsic function, which are able to convert any kind of physical or chemical phenomena or an action into an electrical signal or an electrical signal into any type of physical phenomenon or an action.

All the elements in semiconductor-based transducers are indivisibly combined, and may also include necessary materials indivisibly attached, that enable their construction or function.

The following expressions mean:

- (1) “Semiconductor-based” means built or manufactured on a semiconductor substrate or made of semiconductor materials, manufactured by semiconductor technology, in which the semiconductor substrate or material plays a critical and unreplaceable role of transducer function and performance, and the operation of which is based on semiconductor properties including physical, electrical, chemical and optical properties.
- (2) “Physical or chemical phenomena” relate to phenomena, such as pressure, acoustic waves, acceleration, vibration, movement, orientation, strain, magnetic field strength, electric field strength, light, radioactivity, humidity, flow, chemicals concentration, etc.
- (3) “Semiconductor-based sensor” is a type of semiconductor device, which consists of microelectronic or mechanical structures that are created in the mass or on the surface of a semiconductor and that have the function of detecting physical or chemical quantities and converting these into electric signals caused by resulting variations in electric properties or displacement of a mechanical structure.
- (4) “Semiconductor-based actuator” is a type of semiconductor device, which consists of microelectronic or mechanical structures that are created in the mass or on the surface of a semiconductor and that have the function of converting electric signals into physical movement.
- (5) “Semiconductor-based resonator” is a type of semiconductor device, which consists of microelectronic or mechanical structures that are created in the mass or on the surface of a semiconductor and that have the function of generating a mechanical or electrical oscillation of a predefined frequency that depends on the physical geometry of these structures in response to an external input.

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 85/6**

- (6) “Semiconductor-based oscillator” is a type of semiconductor device, which consists of microelectronic or mechanical structures that are created in the mass or on the surface of a semiconductor and that have the function of generating a mechanical or electrical oscillation of a predefined frequency that depends on the physical geometry of these structures.
- ★ (ii) “Light-emitting diodes (LED)” are semiconductor devices based on semiconductor materials which convert electrical energy into visible, infra-red or ultra-violet rays, whether or not electrically connected among each other and whether or not combined with protective diodes. Light-emitting diodes (LED) of 8541 do not incorporate elements for the purposes of providing power supply or power control;
- (b) “Electronic integrated circuits” are:
- (i) Monolithic integrated circuits in which the circuit elements (diodes, transistors, resistors, capacitors, inductances, etc.) are created in the mass (essentially) and on the surface of a semiconductor or compound semiconductor material (for example, doped silicon, gallium arsenide, silicon germanium, indium phosphide) and are inseparably associated;
- (ii) Hybrid integrated circuits in which passive elements (resistors, capacitors, inductances, etc.), obtained by thin- or thick-film technology, and active elements (diodes, transistors, monolithic integrated circuits, etc.), obtained by semiconductor technology, are combined to all intents and purposes indivisibly, by interconnections or interconnecting cables, on a single insulating substrate (glass, ceramic, etc.). These circuits may also include discrete components;
- (iii) Multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits combined to all intents and purposes indivisibly, whether or not on one or more insulating substrates, with or without leadframes, but with no other active or passive circuit elements;
- (iv) Multi-component integrated circuits (MCOs): a combination of one or more monolithic, hybrid, or multi-chip integrated circuits with at least one of the following components: silicon-based sensors, actuators, oscillators, resonators or combinations thereof, or components performing the functions of articles classifiable under 8532, 8533, 8541, or inductors classifiable under 8504, formed to all intents and purposes indivisibly into a single body like an integrated circuit, as a component of a kind used for assembly onto a printed circuit board (PCB) or other carrier, through the connecting of pins, leads, balls, lands, bumps, or pads.

For the purposes of this definition:

1. “Components” may be discrete, manufactured independently then assembled onto the rest of the MCO, or integrated into other components.
2. “Silicon based” means built on a silicon substrate, or made of silicon materials, or manufactured onto integrated circuit die.
- ★ 3. (a) “Silicon-based sensors” consist of microelectronic or mechanical structures that are created in the mass or on the surface of a semiconductor and that have the function of detecting physical or chemical phenomena and transducing these into electric signals, caused by resulting variations in electric properties or displacement of a mechanical structure. “Physical or chemical phenomena” relates to phenomena, such as pressure, acoustic waves, acceleration, vibration, movement, orientation, strain, magnetic field strength, electric field strength, light, radioactivity, humidity, flow, chemicals concentration, etc.
- (b) “Silicon based actuators” consist of microelectronic and mechanical structures that are created in the mass or on the surface of a semiconductor and that have the function of converting electrical signals into physical movement.
- (c) “Silicon based resonators” are components that consist of microelectronic or mechanical structures that are created in the mass or on the surface of a semiconductor and have the function of generating a mechanical or electrical oscillation of a predefined frequency that depends on the physical geometry of these structures in response to an external input.

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 85/6A**

- (d) "Silicon based oscillators" are active components that consist of microelectronic or mechanical structures that are created in the mass or on the surface of a semiconductor and that have the function of generating a mechanical or electrical oscillation of a predefined frequency that depends on the physical geometry of these structures.

For the classification of the articles defined in this Note, 8541 and 8542 shall take precedence over any other heading in this Schedule, except in the case of 8523, which might cover them by reference to, in particular, their function.

Subheading Notes.

- ★ 1.- 8525.81.00 covers only high-speed television cameras, digital cameras and video camera recorders having one or more of the following characteristics:
 - (a) writing speed exceeding 0.5 mm per microsecond;
 - (b) time resolution 50 nanoseconds or less;
 - (c) frame rate exceeding 225,000 frames per second.

- ★ 2.- In respect of 8525.82.00, radiation-hardened or radiation-tolerant television cameras, digital cameras and video camera recorders are designed or shielded to enable operation in a high-radiation environment. These cameras are designed to withstand a total radiation dose of at least 50×10^3 Gy(silicon) (5×10^6 RAD (silicon)), without operational degradation.

- ★ 3.- 8525.83.00 covers night vision television cameras, digital cameras and video camera recorders which use a photocathode to convert available light to electrons, which can be amplified and converted to yield a visible image. This subheading excludes thermal imaging cameras (generally 8525.89.00).

- 4.- 8527.12.00 covers only cassette-players with built-in amplifier, without built-in loudspeaker, capable of operating without an external source of electric power and the dimensions of which do not exceed 170 mm x 100 mm x 45 mm.

- ★ 5.- For the purposes of 8549.1, "spent primary cells, spent primary batteries and spent electric accumulators" are those which are neither usable as such because of breakage, cutting-up, wear or other reasons, nor capable of being recharged.

Additional Notes.

- 1.- In this Chapter "kVA" means kilovoltampere.
- 2.- For the purposes of 8539:
 - (a) "lamps" means light globes, bulbs, tubes, and the like which consist of glass, quartz or similar containers, of various shapes, having the necessary elements for converting electrical energy into light rays, including infra-red or ultra-violet rays;
 - (b) "lamps" also includes sealed beam lamp units and arc-lamps;
 - (c) "lamps" equipped with external features such as lamp holders, switches, flex and plugs, transformers, etc. are excluded from this heading.

- ★ **Note 9 and Subheading Note 1 have been renumbered as Note 12 and Subheading Note 4 respectively.**
- ★ **Note 10 and Additional Note 3 have been repealed.**

★ Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

**Section 16
Chapter 85/6B**

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/7

R.10

Reference Number	Statistical Code/Unit		Goods	Rate #
8501			ELECTRIC MOTORS AND GENERATORS (EXCLUDING GENERATING SETS):	
8501.10.00	32	No	- Motors of an output not exceeding 37.5 W	5%
8501.20.00	03	No	- Universal AC/DC motors of an output exceeding 37.5 W	5%
★ 8501.3			- Other DC motors; DC generators, other than photovoltaic generators:	
★★ 8501.31.00	33	No	-- Of an output not exceeding 750 W	5%
★★ 8501.32.00	34	No	-- Of an output exceeding 750 W but not exceeding 75 kW	5%
★★ 8501.33.00	35	No	-- Of an output exceeding 75 kW but not exceeding 375 kW	5%
★★ 8501.34.00	36	No	-- Of an output exceeding 375 kW	5%
8501.40.00			- Other AC motors, single-phase	5%
	08	No	Flameproof	
			Other:	
	09	No	.Less than 0.38 kW	
	10	No	.0.38 kW and over but less than 0.746 kW	
	11	No	.0.746 kW and over but less than 1.9 kW	
	12	No	.1.9 kW and over	
8501.5			- Other AC motors, multi-phase:	
8501.51.00	22	No	-- Of an output not exceeding 750 W	5%
8501.52.00			-- Of an output exceeding 750 W but not exceeding 75 kW	5%
	15	No	Flameproof	
			Other:	
	16	No	.Less than 3.0 kW	
	17	No	.3.0 kW and over but less than 7.46 kW	
	18	No	.7.46 kW and over	
8501.53.00			-- Of an output exceeding 75 kW	5%
	19	No	Flameproof	
			Other:	
	20	No	.Less than 132 kW	
	21	No	.132 kW and over	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/22

★★ S Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/8

Reference Number	Statistical Code/Unit	Goods	Rate #	
★ 8501.6		- AC generators (alternators), other than photovoltaic generators:		
8501.61.00		-- Of an output not exceeding 75 kVA	5% DCS:4% DCT:5%	
★★	37	No	Not exceeding 25 kVA	
★★	38	No	Exceeding 25 kVA	
★★ 8501.62.00	39	No	-- Of an output exceeding 75 kVA but not exceeding 375 kVA	5% DCS:4% DCT:5%
★★ 8501.63.00	42	No	-- Of an output exceeding 375 kVA but not exceeding 750 kVA	Free
★★ 8501.64.00	43	No	-- Of an output exceeding 750 kVA	Free
★ 8501.7		- Photovoltaic DC generators:		
★ 8501.71.00	51	No	-- Of an output not exceeding 50 W	5%
★ 8501.72.00	52	No	-- Of an output exceeding 50 W	5%
★ 8501.80		- Photovoltaic AC generators:		
★ 8501.80.10	53	No	--- Of an output not exceeding 375 kVA	5% DCS:4% DCT:5%
★ 8501.80.90	54	No	--- Other	Free
8502		ELECTRIC GENERATING SETS AND ROTARY CONVERTERS:		
8502.1		- Generating sets with compression-ignition internal combustion piston engines (diesel or semi-diesel engines):		
8502.11.00	36	No	-- Of an output not exceeding 75 kVA	5% DCS:4% DCT:5%
8502.12.00	03	No	-- Of an output exceeding 75 kVA but not exceeding 375 kVA	5% DCS:4% DCT:5%
8502.13		-- Of an output exceeding 375 kVA:		
8502.13.10	04	No	--- AC generating sets of an output exceeding 500 kVA	Free
8502.13.90	05	No	--- Other	5% DCS:4% DCT:5%

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★★ S Operative 1/1/22

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/9

R.14

Reference Number	Statistical Code/Unit	Goods	Rate #
8502.20.00		- Generating sets with spark-ignition internal combustion piston engines	5% DCS:4% DCT:5%
	38 No	<i>AC generating sets of an output not exceeding 5 kVA</i>	
	39 No	<i>Other</i>	
8502.3		- Other generating sets:	
8502.31		-- Wind-powered:	
8502.31.10	31 No	--- AC generating sets of an output exceeding 500 kVA	Free
8502.31.90	32 No	--- Other	5% DCS:4% DCT:5%
8502.39		-- Other:	
8502.39.10	33 No	--- AC generating sets of an output exceeding 500 kVA	Free
8502.39.90	34 No	--- Other	5% DCS:4% DCT:5%
8502.40.00	10 No	- Electric rotary converters	5%
8503.00.00	38 ..	PARTS SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE MACHINES OF 8501 OR 8502	5%
8504		ELECTRICAL TRANSFORMERS, STATIC CONVERTERS (FOR EXAMPLE, RECTIFIERS) AND INDUCTORS:	
8504.10.00	13 No	- Ballasts for discharge lamps or tubes	5%
8504.2		- Liquid dielectric transformers:	
8504.21.00	39 No	-- Having a power handling capacity not exceeding 650 kVA	5%
8504.22.00	40 No	-- Having a power handling capacity exceeding 650 kVA but not exceeding 10 000 kVA	5%
8504.23.00		-- Having a power handling capacity exceeding 10 000 kVA	5%
	41 No	<i>Having a primary SHV not exceeding 36 000 V</i>	
	26 No	<i>Having a primary SHV exceeding 36 000 V</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/10

Reference Number	Statistical Code/Unit	Goods	Rate #
8504.3		- Other transformers:	
8504.31.00		-- Having a power handling capacity not exceeding 1 kVA	5%
	27	<i>No Of a kind used in or with radio, television or audio equipment</i>	
	28	<i>No Other</i>	
8504.32.00	29	<i>No -- Having a power handling capacity exceeding 1 kVA but not exceeding 16 kVA</i>	5%
8504.33.00	30	<i>No -- Having a power handling capacity exceeding 16 kVA but not exceeding 500 kVA</i>	5%
8504.34.00	91	<i>No -- Having a power handling capacity exceeding 500 kVA</i>	5%
8504.40		- Static converters:	
8504.40.30		--- Goods, as follows:	Free
		(a) separately housed units, designed to be housed in the same cabinet as the central processing unit of equipment of 8471;	
		(b) for telecommunication apparatus of 8517	
	59	<i>No Goods specified in sub-paragraph (a) of 8504.40.30</i>	
		<i>Other:</i>	
	60	<i>No .Electric current rectifying assemblies</i>	
	63	<i>No .Other</i>	
8504.40.90		--- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
		<i>Light-emitting diode (LED) Drivers:</i>	
	71	<i>No .Having a power handling capacity not exceeding 10 W</i>	
	72	<i>No .Having a power handling capacity exceeding 10 W but not exceeding 25 W</i>	
	73	<i>No .Having a power handling capacity exceeding 25 W</i>	
	78	<i>No Electric current rectifying assemblies</i>	
	83	<i>No Other</i>	
8504.50		- Other inductors:	
8504.50.10	81	<i>No --- Goods, as follows:</i>	Free
		(a) designed for use with equipment of 8471;	
		(b) for telecommunication apparatus of 8517	
8504.50.90	84	<i>No --- Other</i>	5%
		From 1 July 2019	Free

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1/1/17

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/11

Reference Number	Statistical Code/Unit	Goods	Rate #
	R.14		
8504.90		- Parts:	
8504.90.30	30 ..	--- Of goods of 8504.40.30	Free
8504.90.90	92 ..	--- Other	5%
		From 1 July 2018	4.75%
		From 1 July 2019	Free
8505		ELECTRO-MAGNETS; PERMANENT MAGNETS AND ARTICLES INTENDED TO BECOME PERMANENT MAGNETS AFTER MAGNETISATION; ELECTRO-MAGNETIC OR PERMANENT MAGNET CHUCKS, CLAMPS AND SIMILAR HOLDING DEVICES; ELECTRO-MAGNETIC COUPLINGS, CLUTCHES AND BRAKES; ELECTRO-MAGNETIC LIFTING HEADS:	
8505.1		- Permanent magnets and articles intended to become permanent magnets after magnetisation:	
8505.11.00	13 ..	-- Of metal	5%
8505.19.00	14 ..	-- Other	5%
8505.20.00	15 ..	- Electro-magnetic couplings, clutches and brakes	Free
8505.90.00	18 ..	- Other, including parts	Free
8506		PRIMARY CELLS AND PRIMARY BATTERIES:	
8506.10.00	69 No	- Manganese dioxide	Free
8506.30.00	72 No	- Mercuric oxide	Free
8506.40.00	73 No	- Silver oxide	Free
8506.50.00	74 No	- Lithium	Free
8506.60.00	75 No	- Air-zinc	Free
8506.80.00	76 No	- Other primary cells and primary batteries	5%
8506.90.00	23 ..	- Parts	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/17

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/12

Reference Number	Statistical Code/Unit	Goods	Rate #
8507		ELECTRIC ACCUMULATORS, INCLUDING SEPARATORS THEREFOR, WHETHER OR NOT RECTANGULAR (INCLUDING SQUARE):	
8507.10		- Lead-acid, of a kind used for starting piston engines:	
8507.10.10	77 No	--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8507.10.90		--- Other	5% CA:Free
	78 No	<i>For motor vehicles</i>	
	90 No	<i>Other</i>	
8507.20.00		- Other lead-acid accumulators	5% CA:Free
	79 No	<i>For traction purposes</i>	
	80 No	<i>Regulated sealed valve type with a capacity greater than 65 Amperes/hour at C 20 (for 20 hour rate) at 25 °C</i>	
	81 No	<i>Other</i>	
8507.30.00	82 No	- Nickel-cadmium	5% CA:Free
8507.50.00	86 No	- Nickel-metal hydride	5% CA:Free
8507.60.00	87 No	- Lithium-ion	5% CA:Free
★★ 8507.80.00	90 No	- Other accumulators	5% CA:Free
8507.90		- Parts:	
8507.90.10	60 ..	--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8507.90.90	61 ..	--- Other	5% CA:Free

★ Subheading 8507.40.00 has been repealed.

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The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/13

Reference Number	Statistical Code/Unit	Goods	Rate #
R.10			
8508		VACUUM CLEANERS:	
8508.1		- With self-contained electric motor:	
8508.11.00		-- Of a power not exceeding 1 500 W and having a dust bag or other receptacle capacity not exceeding 20 L	5%
	10 No	<i>Upright</i>	
	11 No	<i>Canister</i>	
	12 No	<i>Wheeled barrel type</i>	
	19 No	<i>Other</i>	
8508.19.00		-- Other	5%
	21 No	<i>Canister</i>	
	22 No	<i>Wheeled barrel type</i>	
	90 No	<i>Other</i>	
8508.60.00	30 No	- Other vacuum cleaners	5%
8508.70.00	40 ..	- Parts	5%
8509		ELECTRO-MECHANICAL DOMESTIC APPLIANCES, WITH SELF-CONTAINED ELECTRIC MOTOR, OTHER THAN VACUUM CLEANERS OF 8508:	
8509.40.00		- Food grinders and mixers; fruit or vegetable juice extractors	Free
	42 No	<i>Mixers</i>	
	43 No	<i>Food processors</i>	
	44 No	<i>Juice extractors</i>	
	45 No	<i>Other</i>	
8509.80		- Other appliances:	
8509.80.10	10 No	--- Floor polishers	5%
8509.80.90		--- Other	Free
	20 No	<i>Kitchen waste disposers</i>	
	21 No	<i>Blenders</i>	
	22 No	<i>Electric knives</i>	
	90 No	<i>Other</i>	
8509.90.00	90 ..	- Parts	5%

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1/1/12

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/14

Reference Number	Statistical Code/Unit	Goods	Rate #
8510		SHAVERS, HAIR CLIPPERS AND HAIR-REMOVING APPLIANCES, WITH SELF-CONTAINED ELECTRIC MOTOR:	
8510.10.00	01 No	- Shavers	Free
8510.20.00	11 No	- Hair clippers	Free
8510.30.00	88 No	- Hair-removing appliances	Free
8510.90.00	89 ..	- Parts	Free
8511		ELECTRICAL IGNITION OR STARTING EQUIPMENT OF A KIND USED FOR SPARK-IGNITION OR COMPRESSION-IGNITION INTERNAL COMBUSTION ENGINES (FOR EXAMPLE, IGNITION MAGNETOS, MAGNETO-DYNAMOS, IGNITION COILS, SPARKING PLUGS AND GLOW PLUGS, STARTER MOTORS); GENERATORS (FOR EXAMPLE, DYNAMOS, ALTERNATORS) AND CUT-OUTS OF A KIND USED IN CONJUNCTION WITH SUCH ENGINES:	
8511.10.00		- Sparking plugs	5%
	38 No	<i>Automotive</i>	
	39 No	<i>Other</i>	
8511.20.00	14 No	- Ignition magnetos; magneto-dynamos; magnetic flywheels	5% DCS:Free
8511.30.00	30 No	- Distributors; ignition coils	5%
8511.40		- Starter motors and dual purpose starter-generators:	
8511.40.10	44 No	--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8511.40.90	45 No	--- Other	5% CA:Free
8511.50		- Other generators:	
8511.50.10	46 No	--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8511.50.90	47 No	--- Other	5% CA:Free
8511.80.00	48 No	- Other equipment	5%
8511.90.00	31 ..	- Parts	5%

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1/1/12

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/15

R.13

Reference Number	Statistical Code/Unit		Goods	Rate #
8512			ELECTRICAL LIGHTING OR SIGNALLING EQUIPMENT (EXCLUDING ARTICLES OF 8539), WINDSCREEN WIPERS, DEFROSTERS AND DEMISTERS, OF A KIND USED FOR CYCLES OR MOTOR VEHICLES:	
8512.10.00	32 ..		- Lighting or visual signalling equipment of a kind used on bicycles	Free
8512.20.00	33 ..		- Other lighting or visual signalling equipment	5%
8512.30.00	34 No		- Sound signalling equipment	5%
8512.40.00	56 No		- Windscreen wipers, defrosters and demisters	5%
8512.90			- Parts:	
8512.90.10	44 ..		--- Of a kind used as components in passenger motor vehicles	5% CA:Free
8512.90.90	45 ..		--- Other	5% CA:Free
8513			PORTABLE ELECTRIC LAMPS DESIGNED TO FUNCTION BY THEIR OWN SOURCE OF ENERGY (FOR EXAMPLE, DRY BATTERIES, ACCUMULATORS, MAGNETOS), OTHER THAN LIGHTING EQUIPMENT OF 8512:	
8513.10.00	04 No		- Lamps	5% DCS:4% DCT:5%
8513.90.00	05 ..		- Parts	Free
8514			INDUSTRIAL OR LABORATORY ELECTRIC FURNACES AND OVENS (INCLUDING THOSE FUNCTIONING BY INDUCTION OR DIELECTRIC LOSS); OTHER INDUSTRIAL OR LABORATORY EQUIPMENT FOR THE HEAT TREATMENT OF MATERIALS BY INDUCTION OR DIELECTRIC LOSS:	
★ 8514.1			- Resistance heated furnaces and ovens	
★ 8514.11.00	11 No		-- Hot isostatic presses	5% DCS:4% DCT:5%
★ 8514.19.00	12 No		-- Other	5% DCS:4% DCT:5%
8514.20.00	22 No		- Furnaces and ovens functioning by induction or dielectric loss	5% DCS:4% DCT:5%

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/16

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8514.3		- Other furnaces and ovens:	
★ 8514.31		-- Electron beam furnaces:	
★ 8514.31.10	13 No	--- Of a kind used solely or principally for the manufacture of printed circuits or printed circuit assemblies	Free
★ 8514.31.90	14 No	--- Other	5% DCS:4% DCT:5%
★ 8514.32		-- Plasma and vacuum arc furnaces:	
★ 8514.32.10	15 No	--- Of a kind used solely or principally for the manufacture of printed circuits or printed circuit assemblies	Free
★ 8514.32.90	16 No	--- Other	5% DCS:4% DCT:5%
★ 8514.39		-- Other:	
★ 8514.39.10	17 No	--- Of a kind used solely or principally for the manufacture of printed circuits or printed circuit assemblies	Free
★ 8514.39.90	18 No	--- Other	5% DCS:4% DCT:5%
8514.40.00	09 No	- Other equipment for the heat treatment of materials by induction or dielectric loss	5%
8514.90		- Parts	
★ 8514.90.10	50 ..	--- Of goods of 8514.31.10, 8514.32.10 or 8514.39.10	5%
		From 1 July 2019	Free
8514.90.90	51 ..	--- Other	5%
8515		ELECTRIC (INCLUDING ELECTRICALLY HEATED GAS), LASER OR OTHER LIGHT OR PHOTON BEAM, ULTRASONIC, ELECTRON BEAM, MAGNETIC PULSE OR PLASMA ARC SOLDERING, BRAZING OR WELDING MACHINES AND APPARATUS, WHETHER OR NOT CAPABLE OF CUTTING; ELECTRIC MACHINES AND APPARATUS FOR HOT SPRAYING OF METALS OR CERMETS:	
8515.1		- Brazing or soldering machines and apparatus:	
8515.11.00	11 No	-- Soldering irons and guns	5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/17

R.10

Reference Number	Statistical Code/Unit		Goods	Rate #
8515.19			-- Other:	
8515.19.10	40	No	--- Electric or laser operated brazing or soldering machines and apparatus, of a kind used for working metal, incorporating a computer control	Free
★ ★★ 8515.19.20	41	No	--- Other wave soldering machines of a kind used solely or principally for the manufacture of printed circuit assemblies	5%
			From 1 July 2018	3.75%
			From 1 July 2019	Free
★★ 8515.19.90	45	No	--- Other	5%
8515.2			- Machines and apparatus for resistance welding of metal:	
8515.21			-- Fully or partly automatic:	
8515.21.10	35	No	--- Electric or laser operated, incorporating a computer control	Free
8515.21.90	44	No	--- Other	5%
8515.29.00	43	No	-- Other	5%
8515.3			- Machines and apparatus for arc (including plasma arc) welding of metals:	
8515.31			-- Fully or partly automatic:	
8515.31.10	42	No	--- Electric or laser operated, incorporating a computer control	Free
8515.31.90	18	No	--- Other	5%
8515.39.00	19	No	-- Other	5%
8515.80			- Other machines and apparatus:	
8515.80.10	20	No	--- Electric or laser operated welding machines and apparatus of a kind used for working metal, incorporating a computer control	Free
8515.80.90	90	No	--- Other	5%
★ 8515.90			- Parts:	
★ ★★ 8515.90.10	50	..	--- Of goods of 8515.19.20	5% CA:Free
			From 1 July 2018	2.5% CA:Free
			From 1 July 2019	Free
★ ★★ 8515.90.90	51	..	--- Other	5% CA:Free

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Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/18

Reference Number	Statistical Code/Unit	Goods	Rate #
8516		ELECTRIC INSTANTANEOUS OR STORAGE WATER HEATERS AND IMMERSION HEATERS; ELECTRIC SPACE HEATING APPARATUS AND SOIL HEATING APPARATUS; ELECTROTHERMIC HAIR-DRESSING APPARATUS (FOR EXAMPLE, HAIR DRYERS, HAIR CURLERS, CURLING TONG HEATERS) AND HAND DRYERS; ELECTRIC SMOOTHING IRONS; OTHER ELECTRO-THERMIC APPLIANCES OF A KIND USED FOR DOMESTIC PURPOSES; ELECTRIC HEATING RESISTORS, OTHER THAN THOSE OF 8545:	
8516.10.00	23 No	- Electric instantaneous or storage water heaters and immersion heaters	5%
8516.2		- Electric space heating apparatus and electric soil heating apparatus:	
8516.21.00	24 No	-- Storage heating radiators	5%
8516.29.00	90 No	-- Other	5%
8516.3		- Electro-thermic hair-dressing or hand-drying apparatus:	
8516.31.00	26 No	-- Hair dryers	5%
8516.32.00	57 No	-- Other hair-dressing apparatus	Free
8516.33.00	28 No	-- Hand-drying apparatus	5%
8516.40.00	29 No	- Electric smoothing irons	5%
8516.50.00		- Microwave ovens	Free
	39 No	<i>With electronic controls or digital display: .Gross interior volume not exceeding 23.9 litres</i>	
	40 No	<i>.Gross interior volume exceeding 23.9 litres but not exceeding 34.9 litres</i>	
	41 No	<i>.Gross interior volume exceeding 34.9 litres</i>	
	14 No	<i>Without electronic controls or digital display</i>	
8516.60.00		- Other ovens; cookers, cooking plates, boiling rings, grillers and roasters	5%
		<i>Non-portable, fixed wired, for domestic use only, total input rating of 2.4 kW or greater:</i>	
	50 No	<i>.Cooking tops</i>	
	51 No	<i>.Ovens</i>	
	52 No	<i>.Ranges</i>	
	53 No	<i>.Other</i>	
	54 No	<i>Other</i>	
8516.7		- Other electro-thermic appliances:	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/19

R.13

Reference Number	Statistical Code/Unit	Goods	Rate #
8516.71.00		-- Coffee or tea makers	Free
	33 No	<i>Dripolators</i>	
	34 No	<i>Other</i>	
8516.72.00	05 No	-- Toasters	5%
8516.79.00		-- Other	5%
	35 No	<i>Kettles</i>	
	36 No	<i>Deep fryers</i>	
	37 No	<i>Steam/rice cookers</i>	
	38 No	<i>Other</i>	
8516.80.00	42 No	- Electric heating resistors	5%
8516.90.00	01 ..	- Parts	5%
★ 8517		TELEPHONE SETS, INCLUDING SMARTPHONES AND OTHER TELEPHONES FOR CELLULAR NETWORKS OR FOR OTHER WIRELESS NETWORKS; OTHER APPARATUS FOR THE TRANSMISSION OR RECEPTION OF VOICE, IMAGES OR OTHER DATA, INCLUDING APPARATUS FOR COMMUNICATION IN A WIRED OR WIRELESS NETWORK (SUCH AS A LOCAL OR WIDE AREA NETWORK), OTHER THAN TRANSMISSION OR RECEPTION APPARATUS OF 8443, 8525, 8527 or 8528:	
★ 8517.1		- Telephone sets, including smartphones and other telephones for cellular networks or for other wireless networks:	
8517.11.00		-- Line telephone sets with cordless handsets	Free
	81 No	<i>Integrated with telephone answering machines</i>	
	17 No	<i>Other</i>	
★ 8517.13.00	01 No	-- Smartphones	Free
★ 8517.14.00	02 No	-- Other telephones for cellular networks or for other wireless networks	Free
8517.18.00	20 No	-- Other	Free
8517.6		- Other apparatus for transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network (such as a local or wide area network):	
8517.61.00	49 ..	-- Base stations	Free
★		Subheading 8517.12.00 has been repealed.	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/20

Reference Number	Statistical Code/Unit	Goods	Rate #
8517.62.00		-- Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	Free
	50 No	<i>Teleprinters</i>	
	51 No	<i>Modems, of a type using digital to analogue modulation and analogue to digital demodulation, being goods of a kind having operational transmission speeds of 300 bits/second or greater</i>	
	52 No	<i>Multiplexors, of the time division or statistical type, being goods of a kind having operational transmission speeds of not more than 2.5 megabits/second</i>	
		<i>Telephonic or telegraphic switching apparatus:</i>	
	60 No	<i>.Telephone switching apparatus for small business systems (SBS)</i>	
	61 ..	<i>.Other</i>	
		<i>Transmission apparatus for radio-telephony or radio-telegraphy:</i>	
	81 ..	<i>.Transmission apparatus not incorporating reception apparatus, for radio-telephony or radio-telegraphy and paging alert devices</i>	
	82 ..	<i>.Transmission apparatus incorporating reception apparatus, for radio-telephony or radio-telegraphy</i>	
	90 ..	<i>Other</i>	
8517.69		-- Other:	
8517.69.10	10 ..	--- Reception apparatus for radio-telephony or radio-telegraphy, other than portable receivers for calling, alerting or paging	5% CA:Free
		From 1 July 2018	3.75% CA:Free
		From 1 July 2019	Free
8517.69.90		--- Other	Free
	91 ..	<i>Portable receivers for calling, alerting or paging</i>	
	95 ..	<i>Other</i>	
★ 8517.7		- Parts:	
★ 8517.71.00	10 ..	-- Aerials and aerial reflectors of all kinds; parts suitable for use therewith	Free
★ 8517.79.00	90 ..	-- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/21

R.15

Reference Number	Statistical Code/Unit	Goods	Rate #
8518		MICROPHONES AND STANDS THEREFOR; LOUDSPEAKERS, WHETHER OR NOT MOUNTED IN THEIR ENCLOSURES; HEADPHONES AND EARPHONES, WHETHER OR NOT COMBINED WITH A MICROPHONE, AND SETS CONSISTING OF A MICROPHONE AND ONE OR MORE LOUD SPEAKERS; AUDIO-FREQUENCY ELECTRIC AMPLIFIERS; ELECTRIC SOUND AMPLIFIER SETS:	
8518.10		- Microphones and stands therefor:	
8518.10.10	30 No	--- Goods, as follows: (a) microphones having a frequency range of 300 Hz to 3.4 kHz with a diameter not exceeding 10 mm and a height not exceeding 3 mm, for telecommunication use; (b) cordless microphones incorporating or combined with radio-transmission apparatus	Free
8518.10.90		--- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
	89 No	<i>Wired microphones</i>	
	90 No	<i>Wireless microphones</i>	
	91 No	<i>Other</i>	
8518.2		- Loudspeakers, whether or not mounted in their enclosures:	
8518.21.00		-- Single loudspeakers, mounted in their enclosures	5%
		From 1 July 2020	2.5%
		From 1 July 2021	Free
	46 No	<i>For use in motor vehicles</i>	
	73 No	<i>For use in domestic Hi Fi systems</i>	
	48 No	<i>Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/22

Reference Number	Statistical Code/Unit	Goods	Rate #
8518.22.00		-- Multiple loudspeakers, mounted in the same enclosure	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
	77 No	<i>For use in domestic Hi Fi systems</i>	
	78 No	<i>For use in public address systems</i>	
	79 No	<i>For use with musical instruments</i>	
	83 No	<i>Other</i>	
8518.29		-- Other:	
8518.29.10	92 No	--- Without housing, having a frequency range of 300 Hz to 3.4 kHz with a diameter not exceeding 50 mm, for telecommunication use	Free
8518.29.90		--- Other	5%
		From 1 July 2020	2.5%
		From 1 July 2021	Free
	93 No†	<i>Packaged in pairs for motor vehicles</i>	
	94 No	<i>For use in domestic Hi Fi systems</i>	
	98 No	<i>Other</i>	
8518.30		- Headphones and earphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers:	
8518.30.10		--- Goods, as follows: (a) line telephone headsets; (b) other headsets, incorporating or combined with radio-transmission apparatus; (c) line telephone handsets incorporating or combined with radio-transmission apparatus	Free
	61 No	<i>Headsets, incorporating or combined with radio-transmission apparatus</i>	
	63 No	<i>Other</i>	
8518.30.90	10 ..	--- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8518.40		- Audio-frequency electric amplifiers:	
8518.40.10	03 No	--- For use as repeaters in line telephony products	Free

† No. of pairs

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/23

R.13

Reference Number	Statistical Code/Unit	Goods	Rate #
8518.40.90		--- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
	04 No	For use in motor vehicles	
	05 No	Other	
8518.50.00		- Electric sound amplifier sets	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
	85 No	Designed for use with guitars and bass guitars	
	86 No	Other	
8518.90.00	35 ..	- Parts	Free
8519		SOUND RECORDING OR REPRODUCING APPARATUS:	
8519.20		- Apparatus operated by coins, banknotes, bank cards, tokens or by other means of payment:	
8519.20.10	05 No	--- Coin or disc operated record-players	Free
8519.20.90	90 No	--- Other	5%
8519.30.00	13 No	- Turntables (record-decks)	Free
8519.8		- Other apparatus:	
8519.81		-- Using magnetic, optical or semiconductor media:	
8519.81.10	10 No	--- Transcribing machines	Free
8519.81.20		--- Other sound reproducing apparatus, not incorporating a sound recording device	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
	16 No	Cassette-type	
		Compact disc type:	
	17 No	.Single disc only	
	18 No	.Multiple disc play	
	90 No	Other	

★ Subheading 8519.50.00 has been repealed.

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/24

Reference Number	Statistical Code/Unit	Goods	Rate #
8519.81.30	33 No	--- Dictating machines: (a) not capable of operating without an external source of power; or (b) based on digital audio or cassette-type magnetic tape recorders	Free
8519.81.4		--- Other magnetic tape recorders incorporating sound reproducing apparatus:	
★★ 8519.81.41	41 No	---- Cassette-type	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
★★ 8519.81.49	46 No	---- Other	Free
★★ 8519.81.90	51 No	--- Other sound recording apparatus, whether or not incorporating a sound reproducing device	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8519.89		-- Other:	
8519.89.10	10 No	--- Transcribing machines	Free
8519.89.20	22 No	--- Record-players	Free
8519.89.30	90 No	--- Other sound reproducing apparatus, not incorporating a sound recording device	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8519.89.90	95 No	--- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8521		VIDEO RECORDING OR REPRODUCING APPARATUS, WHETHER OR NOT INCORPORATING A VIDEO TUNER:	
8521.10.00	78 No	- Magnetic tape-type	Free
8521.90.00	19 No	- Other	Free
8522		PARTS AND ACCESSORIES SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE APPARATUS OF 8519 OR 8521:	
8522.10.00	20 ..	- Pick-up cartridges	Free
8522.90.00	24 ..	- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/25

R.16

Reference Number	Statistical Code/Unit	Goods	Rate #
8523		DISCS, TAPES, SOLID-STATE NON-VOLATILE STORAGE DEVICES, "SMART CARDS" AND OTHER MEDIA FOR THE RECORDING OF SOUND OR OF OTHER PHENOMENA, WHETHER OR NOT RECORDED, INCLUDING MATRICES AND MASTERS FOR THE PRODUCTION OF DISCS, BUT EXCLUDING PRODUCTS OF CHAPTER 37:	
8523.2		- Magnetic media:	
8523.21.00	10 No	-- Cards incorporating a magnetic stripe	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8523.29.00		-- Other	Free
	81 No	<i>Unrecorded magnetic tapes of a width not exceeding 4 mm</i>	
	10 No	<i>Unrecorded magnetic tapes of a width exceeding 4 mm but not exceeding 6.5 mm</i>	
		<i>Unrecorded magnetic tapes of a width exceeding 6.5 mm but not exceeding 12.7 mm:</i>	
	20 No	<i>.Computer type</i>	
	82 No	<i>.Video type in cassette body</i>	
	83 No	<i>.Other</i>	
	84 No	<i>Unrecorded magnetic tapes of a width exceeding 12.7 mm</i>	
	85 No	<i>Other unrecorded magnetic media</i>	
	86 No	<i>Recorded magnetic tapes for reproducing phenomena other than sound or image</i>	
	87 No	<i>Other recorded magnetic tapes</i>	
	88 No	<i>Other recorded magnetic media</i>	
8523.4		- Optical media:	
8523.41.00	27 No	-- Unrecorded	Free
8523.49.00	28 No	-- Other	Free
8523.5		- Semiconductor media:	
8523.51.00	50 No	-- Solid-state non-volatile storage devices	Free
8523.52.00	10 No	-- "Smart cards"	Free
8523.59.00		-- Other	Free
	25 No	<i>Proximity cards and tags</i>	
	95 No	<i>Other</i>	
8523.80.00	31 No	- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/17

Unless otherwise indicated general rate applies for CA.

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DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/26

Reference Number	Statistical Code/Unit		Goods	Rate #
★ 8524			FLAT PANEL DISPLAY MODULES, WHETHER OR NOT INCORPORATING TOUCH-SENSITIVE SCREENS:	
★ 8524.1			- Without drivers or control circuits:	
★ 8524.11.00	01	No	-- Of liquid crystals	Free
★ 8524.12.00	02	No	-- Of organic light-emitting diodes (OLED)	Free
★ 8524.19.00	03	No	-- Other	Free
★ 8524.9			- Other:	
★ 8524.91.00	04	No	-- Of liquid crystals	Free
★ 8524.92.00	05	No	-- Of organic light-emitting diodes (OLED)	Free
★ 8524.99.00	06	No	-- Other	Free
8525			TRANSMISSION APPARATUS FOR RADIO-BROADCASTING OR TELEVISION, WHETHER OR NOT INCORPORATING RECEPTION APPARATUS OR SOUND RECORDING OR REPRODUCING APPARATUS; TELEVISION CAMERAS, DIGITAL CAMERAS AND VIDEO CAMERA RECORDERS:	
8525.50.00	10	..	- Transmission apparatus	5% CA:Free
			From 1 July 2018	3.75% CA:Free
			From 1 July 2019	Free
8525.60.00	60	..	- Transmission apparatus incorporating reception apparatus	Free
★ 8525.8			- Television cameras, digital cameras and video camera recorders:	
★ 8525.81.00	11	No	-- High-speed goods as specified in Subheading Note 1 to this Chapter	Free
★ 8525.82.00	12	No	-- Other, radiation-hardened or radiation-tolerant goods as specified in Subheading Note 2 to this Chapter	Free
★ 8525.83.00	13	No	-- Other, night vision goods as specified in Subheading Note 3 to this Chapter	Free
★ 8525.89.00			-- Other	Free
	20	No	<i>Web cameras</i>	
	30	No	<i>Security cameras</i>	
	90	No	<i>Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/27

R.15

Reference Number	Statistical Code/Unit	Goods	Rate #
8526		RADAR APPARATUS, RADIO NAVIGATIONAL AID APPARATUS AND RADIO REMOTE CONTROL APPARATUS:	
★ 8526.10.00	29 ..	- Radar apparatus	5% CA:Free
		From 1 July 2018	3.75% CA:Free
		From 1 July 2019	Free
8526.9		- Other:	
★ 8526.91.00	30 ..	-- Radio navigational aid apparatus	5% CA:Free
		From 1 July 2018	3.75% CA:Free
		From 1 July 2019	Free
★ 8526.92.00	90 ..	-- Radio remote control apparatus	5% CA:Free
		From 1 July 2018	3.75% CA:Free
		From 1 July 2019	Free
8527		RECEPTION APPARATUS FOR RADIO-BROADCASTING, WHETHER OR NOT COMBINED, IN THE SAME HOUSING, WITH SOUND RECORDING OR REPRODUCING APPARATUS OR A CLOCK:	
8527.1		- Radio-broadcast receivers capable of operating without an external source of power:	
8527.12.00	54 No	-- Pocket-size radio cassette-players	Free
8527.13.00	55 No	-- Other apparatus combined with sound recording or reproducing apparatus	Free
★ 8527.19.00	03 No	-- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8527.2		- Radio-broadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles:	
★ 8527.21		-- Combined with sound recording or reproducing apparatus:	5%
★ 8527.21.10	74 No	--- Capable of receiving and decoding digital radio data system signals	5%
★★		From 1 July 2020	2.5%
		From 1 July 2021	Free
★ 8527.21.90	75 No	--- Other	5%
★★			

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/28

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8527.29.00	05 No	-- Other	5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
8527.9		- Other:	
★ 8527.91.00	10 No	-- Combined with sound recording or reproducing apparatus	5%
		From 1 July 2020	3.75%
		From 1 July 2021	Free
8527.92.00	20 No	-- Not combined with sound recording or reproducing apparatus but combined with a clock	Free
★ 8527.99.00	90 No	-- Other	5%
		From 1 July 2018	3.75%
		From 1 July 2019	Free
8528		MONITORS AND PROJECTORS, NOT INCORPORATING TELEVISION RECEPTION APPARATUS; RECEPTION APPARATUS FOR TELEVISION, WHETHER OR NOT INCORPORATING RADIO-BROADCAST RECEIVERS OR SOUND OR VIDEO RECORDING OR REPRODUCING APPARATUS:	
★ 8528.4		- Cathode-ray tube monitors:	
★ 8528.42.00	11 No	-- Capable of directly connecting to and designed for use with an automatic data processing machine of 8471	Free
★★			
★ 8528.49.00	15 No	-- Other	Free
★★			
★ 8528.5		- Other monitors:	
★ 8528.52.00		-- Capable of directly connecting to and designed for use with an automatic data processing machine of 8471	Free
★★			
		<i>Flat screen monitors</i>	
	23 No	<i>.Weighing not more than 5 kg</i>	
	24 No	<i>.Weighing more than 5 kg but not more than 10 kg</i>	
	25 No	<i>.Weighing more than 10 kg</i>	
	34 No	<i>Other</i>	
★ 8528.59.00		-- Other	Free
★★			
	61 No	<i>Colour</i>	
	67 No	<i>Black and white or other monochrome</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/17

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/29

R.9

Reference Number	Statistical Code/Unit		Goods	Rate #
8528.6			- Projectors:	
8528.62.00	68	No	-- Capable of directly connecting to and designed for use with an automatic data processing machine of 8471	Free
8528.69.00	70	No	-- Other	Free
8528.7			- Reception apparatus for television, whether or not incorporating radio-broadcast receivers or sound or video recording or reproducing apparatus:	
8528.71			-- Not designed to incorporate a video display or screen:	
8528.71.10	10	No	--- Colour	5%
			From 1 July 2018	3.75%
			From 1 July 2019	Free
8528.71.20	10	No	--- Black and white or other monochrome	Free
★★ 8528.72.00			-- Other, colour	5%
	01	No	<i>Weighing less than 3 kg</i>	
	02	No	<i>Weighing 3 kg or more but less than 5 kg</i>	
	03	No	<i>Weighing 5 kg or more but less than 8 kg</i>	
	04	No	<i>Weighing 8 kg or more but less than 10 kg</i>	
	05	No	<i>Weighing 10 kg or more but less than 12 kg</i>	
	06	No	<i>Weighing 12 kg or more but less than 14 kg</i>	
	07	No	<i>Weighing 14 kg or more but less than 16 kg</i>	
	08	No	<i>Weighing 16 kg or more but less than 18 kg</i>	
	09	No	<i>Weighing 18 kg or more but less than 20 kg</i>	
	63	No	<i>Weighing 20 kg or more but less than 25 kg</i>	
	64	No	<i>Weighing 25 kg or more but less than 30 kg</i>	
	65	No	<i>Weighing 30 kg or more but less than 40 kg</i>	
	66	No	<i>Weighing 40 kg or more</i>	
8528.73.00	35	No	-- Other, monochrome	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★★ S Operative 10/3/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/30

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8529		PARTS SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE APPARATUS OF 8524 TO 8528:	
★ 8529.10.00	01 ..	- Aerials and aerial reflectors of all kinds; parts suitable for use therewith	Free
★ 8529.90.00	02 ..	- Other	Free
8530		ELECTRICAL SIGNALLING, SAFETY OR TRAFFIC CONTROL EQUIPMENT FOR RAILWAYS, TRAMWAYS, ROADS, INLAND WATERWAYS, PARKING FACILITIES, PORT INSTALLATIONS OR AIRFIELDS (OTHER THAN THOSE OF 8608.00.00):	
8530.10.00	30 ..	- Equipment for railways or tramways	5%
8530.80.00	27 ..	- Other equipment	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/31

R.10

Reference Number	Statistical Code/Unit		Goods	Rate #
8530.90.00	81 ..		- Parts	5%
8531			ELECTRIC SOUND OR VISUAL SIGNALLING APPARATUS (FOR EXAMPLE, BELLS, SIRENS, INDICATOR PANELS, BURGLAR OR FIRE ALARMS), OTHER THAN THOSE OF 8512 OR 8530:	
8531.10			- Burglar or fire alarms and similar apparatus:	
8531.10.10	56 ..		--- Burglar alarms	Free
8531.10.9			--- Other:	
8531.10.91	55 ..		---- Of a kind used as components in passenger motor vehicles	5%
8531.10.99	53 ..		---- Other	5% DCS:4% DCT:5%
★ 8531.20.00	32 ..		- Indicator panels incorporating liquid crystal devices (LCD) or light-emitting diodes (LED)	Free
8531.80.00	33 ..		- Other apparatus	Free
8531.90			- Parts:	
8531.90.10	53 ..		--- For goods of 8531.20.00 or 8531.80.00	Free
★ 8531.90.90	54 ..		--- Other	5% DCS:4% DCT:5%
			From 1 July 2018	2.5%
			From 1 July 2019	Free
8532			ELECTRICAL CAPACITORS, FIXED, VARIABLE OR ADJUSTABLE (PRE-SET):	
8532.10.00	40 No		- Fixed capacitors designed for use in 50/60 Hz circuits and having a reactive power handling capacity of not less than 0.5 kvar (power capacitors)	Free
8532.2			- Other fixed capacitors:	
8532.21.00	03 No		-- Tantalum	Free
8532.22.00	04 No		-- Aluminium electrolytic	Free
8532.23.00	11 No		-- Ceramic dielectric, single layer	Free
8532.24.00	12 No		-- Ceramic dielectric, multilayer	Free
8532.25.00	13 No		-- Dielectric of paper or plastics	Free
8532.29.00	14 No		-- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/32

Reference Number	Statistical Code/Unit	Goods	Rate #
8532.30.00	55 No	- Variable or adjustable (pre-set) capacitors	Free
8532.90.00	56 ..	- Parts	Free
8533		ELECTRICAL RESISTORS (INCLUDING RHEOSTATS AND POTENTIOMETERS), OTHER THAN HEATING RESISTORS:	
8533.10.00	17 No	- Fixed carbon resistors, composition or film types	Free
8533.2		- Other fixed resistors:	
8533.21.00	18 No	-- For a power handling capacity not exceeding 20 W	Free
8533.29.00	19 No	-- Other	Free
8533.3		- Wirewound variable resistors, including rheostats and potentiometers:	
8533.31.00	20 No	-- For a power handling capacity not exceeding 20 W	Free
8533.39.00	21 No	-- Other	Free
8533.40.00	22 No	- Other variable resistors, including rheostats and potentiometers	Free
8533.90.00	23 ..	- Parts	Free
8534.00.00		PRINTED CIRCUITS	Free
	33 No	Single sided	
	38 No	Double sided	
		Multilayer:	
	39 No	.Having 4 layers	
	57 No	.Having 6 or more layers	
	43 No	Flexible circuits	
	44 No	Other	
8535		ELECTRICAL APPARATUS FOR SWITCHING OR PROTECTING ELECTRICAL CIRCUITS, OR FOR MAKING CONNECTIONS TO OR IN ELECTRICAL CIRCUITS (FOR EXAMPLE, SWITCHES, FUSES, LIGHTNING ARRESTERS, VOLTAGE LIMITERS, SURGE SUPPRESSORS, PLUGS AND OTHER CONNECTORS, JUNCTION BOXES), FOR A VOLTAGE EXCEEDING 1 000 VOLTS:	
8535.10.00	25 No	- Fuses	5% CA:Free
8535.2		- Automatic circuit breakers:	
8535.21.00	26 No	-- For a voltage of less than 72.5 kV	5% CA:Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/33

R.10

Reference Number	Statistical Code/Unit	Goods	Rate #
8535.29.00	27 No	-- Other	5% CA:Free
8535.30.00	28 No	- Isolating switches and make-and-break switches	5% CA:Free
8535.40		- Lightning arresters, voltage limiters and surge suppressors:	
8535.40.10	29 No	--- Lightning arresters (surge diverters), suitable for the protection of electricity supply equipment	5% DCS:4% DCT:5%
8535.40.90	30 No	--- Other	5% CA:Free
8535.90.00	58 No	- Other	5% CA:Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/34

Reference Number	Statistical Code/Unit	Goods	Rate #
8536		ELECTRICAL APPARATUS FOR SWITCHING OR PROTECTING ELECTRICAL CIRCUITS, OR FOR MAKING CONNECTIONS TO OR IN ELECTRICAL CIRCUITS (FOR EXAMPLE, SWITCHES, RELAYS, FUSES, SURGE SUPPRESSORS, PLUGS, SOCKETS, LAMP-HOLDERS AND OTHER CONNECTORS, JUNCTION BOXES), FOR A VOLTAGE NOT EXCEEDING 1 000 VOLTS; CONNECTORS FOR OPTICAL FIBRES, OPTICAL FIBRE BUNDLES OR CABLES:	
8536.10.00	70 No	- Fuses	5% CA:Free
8536.20.00	03 No	- Automatic circuit breakers	5% CA:Free
★ 8536.30.00	04 No	- Other apparatus for protecting electrical circuits	5% CA:Free
		From 1 July 2018	3.75% CA:Free
		From 1 July 2019	Free
8536.4		- Relays:	
8536.41.00	05 No	-- For a voltage not exceeding 60 V	5% CA:Free
8536.49.00	06 No	-- Other	5% CA:Free
8536.50		- Other switches:	
★ 8536.50.10	07 No	--- Time switches, not being relays	5% CA:Free
		From 1 July 2020	3.83% CA:Free
		From 1 July 2021	Free
8536.50.9		--- Other:	
8536.50.92	57 No	---- Goods, as follows: (a) electronic AC switches consisting of optically coupled input and output circuits (insulated thyristor AC switches); (b) electronic switches, including temperature protected electronic switches, consisting of a transistor and a logic chip (chip-on-chip technology) for a voltage not exceeding 1 000 volts; (c) electromechanical snap-action switches for a current not exceeding 11 amperes	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/35

R.9

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8536.50.93	58 No	---- Of a kind used as components in passenger motor vehicles, NSA	5% CA:Free
		From 1 July 2020	3.83% CA:Free
		From 1 July 2021	Free
★ 8536.50.99		---- Other	5% CA:Free
		From 1 July 2020	3.83% CA:Free
		From 1 July 2021	Free
	60 No	For motor vehicles	
	61 No	Other	
8536.6		- Lamp-holders, plugs and sockets:	
8536.61.00	09 ..	-- Lamp-holders	5% CA:Free
8536.69		-- Other:	
8536.69.10	62 ..	--- Plugs and sockets for co-axial cables or printed circuits	Free
8536.69.90	63 ..	--- Other	5% CA:Free
8536.70		- Connectors for optical fibres, optical fibre bundles or cables:	
8536.70.1		--- Of plastics:	
8536.70.11	01 No	---- Of a kind used as components in passenger motor vehicles	5% CA:Free
8536.70.19	02 No	---- Other	5% CA:Free
8536.70.2		--- Of iron or steel:	
8536.70.21	03 No	---- Of a kind used as components in passenger motor vehicles	5% CA:Free
8536.70.29	04 No	---- Other	5% CA:Free
8536.70.30	05 No	--- Of glass	Free
8536.70.40	06 No	--- Of ceramics	5% DCS:4% DCT:5%
8536.70.90	09 No	--- Of other materials	5%
8536.90		- Other apparatus:	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/36

Reference Number	Statistical Code/Unit		Goods	Rate #
8536.90.10	64	No	--- Goods, as follows: (a) connection and contact elements for wires and cables; (b) wafer probers	Free
★ ★★ 8536.90.20	65	No	--- Battery clamps of a kind used for motor vehicles of 8702, 8703, 8704 or 8711	5% CA:Free
★ ★★ 8536.90.90			--- Other	5% CA:Free
				From 1 July 2020 2.5% CA:Free
				From 1 July 2021 Free
	71	No	<i>Motor starters</i>	
	73	No	<i>Other</i>	
8537			BOARDS, PANELS, CONSOLES, DESKS, CABINETS AND OTHER BASES, EQUIPPED WITH TWO OR MORE APPARATUS OF 8535 OR 8536, FOR ELECTRIC CONTROL OR THE DISTRIBUTION OF ELECTRICITY, INCLUDING THOSE INCORPORATING INSTRUMENTS OR APPARATUS OF CHAPTER 90, AND NUMERICAL CONTROL APPARATUS, OTHER THAN SWITCHING APPARATUS OF 8517:	
8537.10			- For a voltage not exceeding 1 000 V:	
8537.10.10	18	No	--- Programmable controllers	Free
8537.10.90	19	No	--- Other	5% CA:Free
8537.20			- For a voltage exceeding 1 000 V:	
8537.20.10	20	No	--- Programmable controllers	Free
8537.20.90	21	No	--- Other	5% CA:Free
8538			PARTS SUITABLE FOR USE SOLELY OR PRINCIPALLY WITH THE APPARATUS OF 8535, 8536 OR 8537:	
8538.10			- Boards, panels, consoles, desks, cabinets and other bases for the goods of 8537, not equipped with their apparatus:	
8538.10.10	22	..	--- For programmable controllers	Free
★ 8538.10.90	23	..	--- Other	5% CA:Free
				From 1 July 2018 3.75% CA:Free
				From 1 July 2019 Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

★ Operative 1/1/17

★★ S Operative 1/1/17

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/37

R.10

Reference Number	Statistical Code/Unit	Goods	Rate #
8538.90		- Other:	
8538.90.1		--- Of goods of 8536.70:	
8538.90.11	01 ..	---- Of goods of 8536.70.11	5% CA:Free
8538.90.12	02 ..	---- Of goods of 8536.70.19	5% CA:Free
8538.90.13	03 ..	---- Of goods of 8536.70.21	5% CA:Free
8538.90.14	04 ..	---- Of goods of 8536.70.29	5% CA:Free
8538.90.15	05 ..	---- Of goods of 8536.70.30	Free
8538.90.16	06 ..	---- Of goods of 8536.70.40	5% DCS:4% DCT:5%
8538.90.19	09 ..	---- Other	5%
8538.90.90		--- Other	Free
	08 ..	<i>For programmable controllers</i>	
		<i>Other:</i>	
	11 ..	<i>.For goods of 8535.90.00, 8536.50.10 and 8536.90</i>	
	12 ..	<i>.For fuses of 8535.10.00 and 8536.10.00; for relays of 8536.41.00 and 8536.49.00; for switches of 8536.50.9</i>	
	19 ..	<i>.Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/38

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8539		ELECTRIC FILAMENT OR DISCHARGE LAMPS, INCLUDING SEALED BEAM LAMP UNITS AND ULTRA-VIOLET OR INFRA-RED LAMPS; ARC-LAMPS; LIGHT-EMITTING DIODE (LED) LIGHT SOURCES:	
8539.10		- Sealed beam lamp units:	
8539.10.10	28 No	--- For motorcycles	Free
8539.10.90	29 No	--- Other	5%
8539.2		- Other filament lamps, excluding ultra-violet or infra-red lamps:	
8539.21.00		-- Tungsten halogen	Free
		<i>With reflector:</i>	
	50 No	.Less than or equal to 13 V	
	51 No	.Greater than 13 V but less than or equal to 200 V	
	52 No	.Greater than 200 V	
		<i>Without reflector:</i>	
		.Less than or equal to 13 V:	
	53 No	..For motor vehicles	
	54 No	..Other	
	55 No	.Greater than 13 V but less than or equal to 200 V	
	56 No	.Greater than 200 V	
8539.22.00		-- Other, of a power not exceeding 200 W and for a voltage exceeding 100 V	5% DCS:4% DCT:5%
		<i>Metal or carbon filament, gas filled or vacuum:</i>	
	30 No	.Non-reflector type	
	37 No	.Reflector type	
8539.29.00		-- Other	5% DCS:4% DCT:5%
	47 No	<i>Of a kind commonly used for motor vehicles (except sealed beam)</i>	
		<i>Other:</i>	
	48 No	.Less than 28 V	
	76 No	.28 V and over	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/39

R.10

Reference Number	Statistical Code/Unit	Goods	Rate #
8539.3		- Discharge lamps, other than ultra-violet lamps:	
8539.31.00		-- Fluorescent, hot cathode	5% DCS:4% DCT:5%
	36 No	<i>Straight type (including halophosphate and triphosphor) fluorescent discharge lamps: .Not exceeding 600 mm nominal length</i>	
	40 No	<i>.1 200 mm nominal length</i>	
	44 No	<i>.Other</i>	
	43 No	<i>Other (including compact fluorescent discharge lamps)</i>	
8539.32.00		-- Mercury or sodium vapour lamps; metal halide lamps	5% DCS:4% DCT:5%
	45 No	<i>Mercury vapour lamps</i>	
	46 No	<i>Sodium vapour lamps</i>	
	67 No	<i>Metal halide lamps: .Less than or equal to 200 W</i>	
	68 No	<i>.Greater than 200 W but less than or equal to 400 W</i>	
	69 No	<i>.Greater than 400 W</i>	
8539.39		-- Other:	
8539.39.10	70 No	--- Cold-cathode fluorescent lamps (CCFLs) for backlighting of flat panel displays	5% DCS:4% DCT:5%
		From 1 July 2018	2.5%
		From 1 July 2019	Free
8539.39.90	71 No	--- Other	5% DCS:4% DCT:5%
8539.4		- Ultra-violet or infra-red lamps; arc-lamps:	
8539.41.00	46 No	-- Arc-lamps	5% DCS:4% DCT:5%
8539.49.00	49 No	-- Other	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/17

Unless otherwise indicated general rate applies for CA.

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/40

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8539.5		- Light-emitting diode (LED) light sources:	
★ 8539.51.00	01 No	-- Light-emitting diode (LED) modules	Free
★ 8539.52.00		-- Light-emitting diode (LED) lamps	Free
		<i>Connected (WiFi, Bluetooth or similar) LED lamp:</i>	
	11 No	<i>.Single cap</i>	
	12 No	<i>.Double cap</i>	
		<i>Dimmable LED lamp:</i>	
	21 No	<i>.Directional lamp, less than or equal to 50V</i>	
	22 No	<i>.Non-directional lamp, less than or equal to 50V</i>	
	23 No	<i>.Directional lamp, 50V and over (ES, SES, BC, SBC or GU10 cap)</i>	
	24 No	<i>.Non-directional clear lamp, 50V and over (ES, SES, BC or SBC cap)</i>	
	25 No	<i>.Non-directional frosted lamp, 50V and over (ES, SES, BC or SBC cap)</i>	
	29 No	<i>.Other</i>	
		<i>Non-dimmable LED lamp:</i>	
	31 No	<i>.Directional lamp, less than or equal to 50V</i>	
	32 No	<i>.Non-directional lamp, less than or equal to 50V</i>	
	33 No	<i>.Directional lamp, 50V and over (ES, SES, BC or SBC cap)</i>	
	34 No	<i>.Non-directional clear lamp, 50V and over (ES, SES, BC or SBC cap)</i>	
	35 No	<i>.Non-directional frosted lamp, 50V and over (ES, SES, BC or SBC cap)</i>	
	36 No	<i>.Lamp with R7 cap, 50V and over</i>	
	39 No	<i>.Other</i>	
		<i>LED Linear lamp with G13 or G5 cap:</i>	
	41 No	<i>.Greater than or equal to 550 mm but less than 700 mm in length</i>	
	42 No	<i>.Greater than or equal to 700 mm but less than 1150 mm in length</i>	
	43 No	<i>.Greater than or equal to 1150 mm but less than 1350 mm in length</i>	
	44 No	<i>.Greater than or equal to 1350 mm but less than 1500 mm in length</i>	
	49 No	<i>.Other</i>	
	90 No	<i>Other</i>	
★ 8539.90		- Parts:	
★ 8539.90.10	32 ..	--- Of goods of 8539.51.00 or 8539.52.00	Free
★ 8539.90.90	33 ..	--- Other	5% DCS:4% DCT:5%

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/41

R.13

Reference Number	Statistical Code/Unit	Goods	Rate #
8540		THERMIONIC, COLD CATHODE OR PHOTO-CATHODE VALVES AND TUBES (FOR EXAMPLE, VACUUM OR VAPOUR OR GAS FILLED VALVES AND TUBES, MERCURY ARC RECTIFYING VALVES AND TUBES, CATHODE-RAY TUBES, TELEVISION CAMERA TUBES):	
8540.1		- Cathode-ray television picture tubes, including video monitor cathode-ray tubes:	
8540.11.00	81 No	-- Colour	Free
8540.12.00	04 No	-- Monochrome	Free
8540.20.00	05 No	- Television camera tubes; image converters and intensifiers; other photo-cathode tubes	Free
8540.40.00	06 No	- Data/graphic display tubes, monochrome; data/graphic display tubes, colour, with a phosphor dot screen pitch smaller than 0.4 mm	Free
8540.60.00	55 No	- Other cathode-ray tubes	Free
8540.7		- Microwave tubes (for example, magnetrons, klystrons, travelling wave tubes, carcinotrons), excluding grid-controlled tubes:	
8540.71.00	56 No	-- Magnetrons	Free
8540.79.00	59 No	-- Other	5%
8540.8		- Other valves and tubes:	
8540.81.00	10 No	-- Receiver or amplifier valves and tubes	Free
8540.89.00	11 No	-- Other	5%
8540.9		- Parts:	
8540.91.00	82 ..	-- Of cathode-ray tubes	Free
8540.99.00	14 ..	-- Other	Free
★ 8541		SEMICONDUCTOR DEVICES (FOR EXAMPLE, DIODES, TRANSISTORS, SEMICONDUCTOR-BASED TRANSDUCERS); PHOTOSENSITIVE SEMICONDUCTOR DEVICES, INCLUDING PHOTOVOLTAIC CELLS WHETHER OR NOT ASSEMBLED IN MODULES OR MADE UP INTO PANELS; LIGHT-EMITTING DIODES (LED), WHETHER OR NOT ASSEMBLED WITH OTHER LIGHT-EMITTING DIODES (LED); MOUNTED PIEZO-ELECTRIC CRYSTALS:	
8541.10.00	15 No	- Diodes, other than photosensitive or light-emitting diodes (LED)	Free

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★ Operative 1/1/22

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DCT denotes the rate for HK, KR, SG and TW.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/42

Reference Number	Statistical Code/Unit		Goods	Rate #
8541.2			- Transistors, other than photosensitive transistors:	
8541.21.00	16	No	-- With a dissipation rate of less than 1 W	Free
8541.29.00			-- Other	Free
	39	No	<i>Other (for example, power transistors, radio frequency (RF) transistors, RF modules and MOSFETS)</i>	
8541.30.00	20	No	- Thyristors, diacs and triacs, other than photosensitive devices	Free
★ 8541.4			- Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes (LED):	
★ 8541.41.00	01	No	-- Light-emitting diodes (LED)	Free
★ 8541.42.00	02	No	-- Photovoltaic cells not assembled in modules or made up into panels	Free
★ 8541.43.00	03	No	-- Photovoltaic cells assembled in modules or made up into panels	Free
★ 8541.49.00	09	No	-- Other	Free
★ 8541.5			- Other semiconductor devices:	

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★ Operative 1/1/22

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DCT denotes the rate for HK, KR, SG and TW.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/43

R.9

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8541.51.00	10 No	-- Semiconductor-based transducers	Free
★ 8541.59.00	90 No	-- Other	Free
8541.60.00	25 No	- Mounted piezo-electric crystals	Free
8541.90.00	26 ..	- Parts	Free
8542		ELECTRONIC INTEGRATED CIRCUITS:	
8542.3		- Electronic integrated circuits:	
8542.31.00		-- Processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	Free
		<i>Monolithic integrated circuits:</i>	
		<i>.Digital</i>	
	51 No	<i>..Application Specific (Digital) Integrated Circuits (ASIC)</i>	
	52 No	<i>..CMOS and MOS Microprocessors (MPU), Microcontrollers (MCU) and Digital Signal Processors (DSP)</i>	
	53 No	<i>..Central Processor Units (CPU) and Math Coprocessors, as used in personal computers (PCs)</i>	
	59 No	<i>..Other, including circuits obtained by a combination of bipolar and MOS technologies (BIMOS technology)</i>	
		<i>.Other</i>	
	61 No	<i>..Linear/analogue and peripheral integrated circuits, timers, voltage regulators, A/D and D/A converters, telecommunication and modem integrated circuits, other than board level products</i>	
	62 No	<i>..Other</i>	
	63 No	<i>Hybrid integrated circuits</i>	
	64 No	<i>Multichip integrated circuits</i>	

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★ Operative 1/1/22

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DCT denotes the rate for HK, KR, SG and TW.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/44

Reference Number	Statistical Code/Unit	Goods	Rate #
8542.32.00		-- Memories	Free
		<i>Monolithic integrated circuits:</i>	
		<i>.Digital:</i>	
	31 No	<i>..Random Access Memory (RAM) including Single Inline Memory Modules (SIMMS), Dual Inline Memory Modules (DIMMS), Dynamic Random Access Memory (DRAM), Synchronous Dynamic Random Access Memory (SD RAM), Rambus Dynamic Random Access Memory (RD RAM) and other similar memory</i>	
	32 No	<i>..CMOS and MOS Read Only Memory and Programmable Read Only Memory whether erasable or non-erasable (for example, flash memory, EPROM, E²PROM, EAPROM, NOVRAM, ROM and PROM)</i>	
	33 No	<i>..Memory cards (other than "smart" cards and SIMM), which incorporate E² PROM, SRAM, DRAM or flash memory (for example, for PCMCIA applications)</i>	
	34 No	<i>..Other, including circuits obtained by a combination of bipolar and MOS technologies (BIMOS technology)</i>	
	35 No	<i>.Other</i>	
	36 No	<i>Hybrid integrated circuits</i>	
	38 No	<i>Multichip integrated circuits</i>	
8542.33.00	43 No	-- Amplifiers	Free
8542.39.00		-- Other	Free
		<i>Monolithic integrated circuits:</i>	
		<i>.Digital</i>	
		<i>.Other:</i>	
	51 No	<i>..Linear/analogue and peripheral integrated circuits, timers, voltage regulators, A/D and D/A converters, telecommunication and modem integrated circuits, other than board level products</i>	
	61 No	<i>..Other</i>	
	62 No	<i>Hybrid integrated circuits</i>	
	63 No	<i>Multichip integrated circuits</i>	
	64 No		
8542.90.00	36 ..	-Parts	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/17

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/45

R.6

Reference Number	Statistical Code/Unit		Goods	Rate #
8543			ELECTRICAL MACHINES AND APPARATUS, HAVING INDIVIDUAL FUNCTIONS, NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER:	
8543.10.00	70	No	- Particle accelerators	Free
8543.20.00	02	No	- Signal generators	5%
			From 1 July 2018	3.75%
			From 1 July 2019	Free
8543.30			- Machines and apparatus for electroplating, electrolysis or electrophoresis:	
8543.30.10	64	No	--- Of a kind used solely or principally for the manufacture of printed circuits	5%
			From 1 July 2018	3.75%
			From 1 July 2019	Free
8543.30.90	65	No	--- Other	5%
★ 8543.40.00	66	No	- Electronic cigarettes and similar personal electric vaporising devices	Free
8543.70.00			- Other machines and apparatus	Free
	10	No	<i>Electric fence energisers</i>	
	13	No	<i>Signal processors (graphic equalisers, crossovers etc.)</i>	
	15	No	<i>Mixing consoles with built-in amplifier, powered</i>	
	21	No	<i>Other mixing consoles</i>	
★★	92	..	<i>Other</i>	
★ 8543.90.00	93	..	- Parts	Free
8544			INSULATED (INCLUDING ENAMELLED OR ANODISED) WIRE, CABLE (INCLUDING CO-AXIAL CABLE) AND OTHER INSULATED ELECTRIC CONDUCTORS, WHETHER OR NOT FITTED WITH CONNECTORS; OPTICAL FIBRE CABLES, MADE UP OF INDIVIDUALLY SHEATHED FIBRES, WHETHER OR NOT ASSEMBLED WITH ELECTRIC CONDUCTORS OR FITTED WITH CONNECTORS:	
8544.1			- Winding wire:	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

★★ S Operative 1/1/22

Unless indicated in the relevant Schedule, rates for originating goods under a free trade agreement are Free.

DCS denotes the rate for countries and places listed in Part 4 of Schedule 1 to the Customs Tariff Regulations 2004.

DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/46

Reference Number	Statistical Code/Unit	Goods	Rate #
8544.11.00	10 kg	-- Of copper	5% DCS:4% CA:Free DCT:5%
8544.19.00	11 kg	-- Other	5% DCS:4% CA:Free DCT:5%
8544.20.00		- Co-axial cable and other co-axial electric conductors	5%
		<i>Fitted with connectors:</i>	
	12 kg	<i>.For telecommunication and instrumentation application</i>	
	13 kg	<i>.Other</i>	
		<i>Other:</i>	
	14 m	<i>.For telecommunication and instrumentation application</i>	
	15 m	<i>.Other</i>	
8544.30.00		- Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships	5%
	16 No	<i>Motor vehicle wiring harness</i>	
	17 kg	<i>Fitted with connectors</i>	
	37 ..	<i>Other</i>	
8544.4		- Other electric conductors, for a voltage not exceeding 1 000 V:	
8544.42		-- Fitted with connectors:	
8544.42.1		--- For a voltage not exceeding 80 V:	
8544.42.11	03 ..	---- Goods, as follows: (a) compensation or extension leads for thermocouples; (b) of a kind used for telecommunications	Free
8544.42.19		---- Other	5% DCS:4% DCT:5%
	02 kg	<i>Wires for electronic equipment (including radio and T.V. hook up wires)</i>	
	04 kg	<i>For instrumentation application</i>	
		<i>Other:</i>	
	11 kg	<i>.Plastic insulated</i>	
	19 kg	<i>.Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

If no DCT rate shown, DCS rate applies. If no DCT or DCS rate shown, general rate applies.

The SG rate cannot be used to claim preferential tariff treatment for goods that are the produce or manufacture of Singapore unless the goods were imported before 1 December 2020.

**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/47

Reference Number	Statistical Code/Unit	Goods	Rate #
8544.42.2		--- For a voltage exceeding 80 V but not exceeding 1 000 V:	
8544.42.21	27 kg	---- Of a kind used for telecommunications	Free
8544.42.29		---- Other	5%
	22 kg	<i>Insulated with P.V.C. materials</i>	
	23 kg	<i>Insulated with other materials</i>	
8544.49		-- Other:	
8544.49.1		--- For a voltage not exceeding 80 V:	
8544.49.11	39 m	---- Goods, as follows: (a) compensation or extension leads for thermocouples; (b) of a kind used for telecommunications	Free
8544.49.19		---- Other	5% DCS:4% DCT:5%
	26 m	<i>For instrumentation application</i>	
	27 m	<i>Wires for electronic equipment (including radio and T.V. hook up wires)</i>	
		<i>Other:</i>	
	31 m	<i>.Plastic insulated</i>	
	39 m	<i>.Other</i>	
8544.49.20		--- For a voltage exceeding 80 V but not exceeding 1 000 V	5% DCS:4% DCT:5%
	40 m	<i>Insulated with cross-linked polyethylene (XLPE) materials</i>	
	41 m	<i>Insulated with P.V.C. materials</i>	
	49 m	<i>Insulated with other materials</i>	

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1/1/12

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/48

Reference Number	Statistical Code/Unit	Goods	Rate #
8544.60		- Other electric conductors, for a voltage exceeding 1 000 V:	
8544.60.10	09 m	--- Designed for working pressures exceeding 33 kV	Free
8544.60.90		--- Other	5% DCS:4% DCT:5%
	34 kg	<i>Designed for working pressures exceeding 1 000 V but not exceeding 11 000 V</i>	
	35 kg	<i>Designed for working pressures exceeding 11 000 V but not exceeding 33 000 V, fitted with connectors</i>	
	20 m	<i>Other: .Insulated with cross-linked polyethylene (XLPE) materials</i>	
	21 m	<i>.Insulated with other materials</i>	
8544.70.00		- Optical fibre cables	Free
	22 m	<i>Fitted with connectors</i>	
	23 m	<i>Other</i>	
8545		CARBON ELECTRODES, CARBON BRUSHES, LAMP CARBONS, BATTERY CARBONS AND OTHER ARTICLES OF GRAPHITE OR OTHER CARBON, WITH OR WITHOUT METAL, OF A KIND USED FOR ELECTRICAL PURPOSES:	
8545.1		- Electrodes:	
8545.11.00	24 kg	-- Of a kind used for furnaces	Free
8545.19.00	25 kg	-- Other	Free
8545.20.00	26 No	- Brushes	5% DCS:4% DCT:5%
8545.90.00		- Other	Free
	33 kg	<i>Blocks, plates, slabs and rods</i>	
	57 ..	<i>Other</i>	

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

1/1/12

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/49

(Section 17 follows)

R.1

Reference Number	Statistical Code/Unit	Goods	Rate #
8546		ELECTRICAL INSULATORS OF ANY MATERIAL:	
8546.10.00	30 No	- Of glass	5%
8546.20.00	31 No	- Of ceramics	5%
8546.90.00	32 No	- Other	5%
8547		INSULATING FITTINGS FOR ELECTRICAL MACHINES, APPLIANCES OR EQUIPMENT, BEING FITTINGS WHOLLY OF INSULATING MATERIAL APART FROM ANY MINOR COMPONENTS OF METAL (FOR EXAMPLE, THREADED SOCKETS) INCORPORATED DURING MOULDING SOLELY FOR PURPOSES OF ASSEMBLY, OTHER THAN INSULATORS OF 8546; ELECTRICAL CONDUIT TUBING AND JOINTS THEREFOR, OF BASE METAL LINED WITH INSULATING MATERIAL:	
8547.10.00	01 ..	- Insulating fittings of ceramics	5%
8547.20.00	02 ..	- Insulating fittings of plastics	Free
8547.90.00	10 ..	- Other	5%
★ 8548.00.00	01 ..	ELECTRICAL PARTS OF MACHINERY OR APPARATUS, NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER:	Free
★ 8549		ELECTRICAL AND ELECTRONIC WASTE AND SCRAP:	
★ 8549.1		- Waste and scrap of primary cells, primary batteries and electric accumulators; spent primary cells, spent primary batteries and spent electric accumulators:	
★ 8549.11.00	01 ..	-- Waste and scrap of lead-acid accumulators; spent lead-acid accumulators	Free
★ 8549.12.00	02 ..	-- Other, containing lead, cadmium or mercury	Free
★ 8549.13.00	03 ..	-- Sorted by chemical type and not containing lead, cadmium or mercury	Free
★ 8549.14.00	04 ..	-- Unsorted and not containing lead, cadmium or mercury	Free
★ 8549.19.00	09 ..	-- Other	Free

Unless otherwise indicated NZ, PG, FI, DC, LDC and SG rates are Free.

★ Operative 1/1/22

Unless otherwise indicated general rate applies for CA.

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DCT denotes the rate for HK, KR, SG and TW.

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**CUSTOMS TARIFF
SCHEDULE 3**

Section 16
Chapter 85/50

Reference Number	Statistical Code/Unit	Goods	Rate #
★ 8549.2		- Of a kind used principally for the recovery of precious metal:	
★ 8549.21.00	21 ..	-- Containing primary cells, primary batteries, electric accumulators, mercury-switches, glass from cathode-ray tubes or other activated glass, or electrical or electronic components containing cadmium, mercury, lead or polychlorinated biphenyls (PCBs)	Free
★ 8549.29.00	29 ..	-- Other	Free
★ 8549.3		- Other electrical and electronic assemblies and printed circuit boards:	
★ 8549.31.00	31 ..	-- Containing primary cells, primary batteries, electric accumulators, mercury-switches, glass from cathode-ray tubes or other activated glass, or electrical or electronic components containing cadmium, mercury, lead or polychlorinated biphenyls (PCBs)	Free
★ 8549.39.00	39 ..	-- Other	Free
★ 8549.9		- Other:	
★ 8549.91.00	91 ..	-- Containing primary cells, primary batteries, electric accumulators, mercury-switches, glass from cathode-ray tubes or other activated glass, or electrical or electronic components containing cadmium, mercury, lead or polychlorinated biphenyls (PCBs)	Free
★ 8549.99.00	99 ..	-- Other	Free

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★ Operative 1/1/22

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DCT denotes the rate for HK, KR, SG and TW.

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