## ANNEXE F-II - SRI LANKA

## **Chapter 28**

## Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, of radioactive elements or of isotopes

28.01			Fluorine, chlorine, bromine and iodine.
	2801.20	-	Iodine
	2801.30	-	Fluorine; bromine
28.02	2802.00		Sulphur, sublimed or precipitated; colloidal sulphur.
28.03	2803.00		Carbon (carbon blacks and other forms of carbon not elsewhere specified or included).
28.04			Hydrogen, rare gases and other non-metals.
	2804.10	-	Hydrogen
		-	Rare gases:
	2804.21		Argon
	2804.29		Other
	2804.50	-	Boron; tellurium
		-	Silicon:
	2804.61		Containing by weight not less than 99.99% of silicon
	2804.69		Other
	2804.70	-	Phosphorus
	2804.80	-	Arsenic
	2804.90	-	Selenium
28.05			Alkali or alkaline-earth metals; rare-earth metals, scandium and yttrium, whether or not intermixed or interalloyed; mercury.
		-	Alkali metals:
	2805.11		Sodium
	2805.19		Other
		-	Alkaline-earth metals:
	2805.21		Calcium
	2805.22		Strontium and barium

	2805.30	-	Rare-earth metals, scandium and yttrium, whether or not intermixed or interalloyed
	2805.40	-	Mercury
28.06			Hydrogen chloride (hydrochloric acid); chlorosulphuric acid.
	2806.10	-	Hydrogen chloride (hydrochloric acid)
	2806.20	-	Chlorosulphuric acid
28.08	2808.00		Nitric acid; sulphonitric acids.
28.10	2810.00		Oxides of boron; boric acids.
28.11			Other inorganic acids and other inorganic oxygen compounds of non-metals.
		-	Other inorganic acids:
	2811.11		Hydrogen fluoride (hydrofluoric acid)
	2811.19		Other
		-	Other inorganic oxygen compounds of non-metals:
	2811.22		Silicon dioxide
	2811.23		Sulphur dioxide
			III - HALOGEN OR SULPHUR COMPOUNDS OF NON-METALS
28.12			Halides and halide oxides of non-metals.
	2812.10	-	Chlorides and chloride oxides
	2812.90	-	Other
28.13			Sulphides of non-metals; commercial phosphorus trisulphide.
	2813.10	-	Carbon disulphide
	2813.90	-	Other
			IV - INORGANIC BASES AND OXIDES, HYDROXIDES AND PEROXIDES OF METALS
28.14			Ammonia, anhydrous or in aqueous solution.
	2814.10	-	Anhydrous ammonia
	2814.20	-	Ammonia in aqueous solution
28.16			Hydroxide and peroxide of magnesium; oxides, hydroxides and peroxides, of

## strontium or barium.

	2816.10	-	Hydroxide and peroxide of magnesium
	2816.20	-	Oxide, hydroxide and peroxide of strontium
	2816.30	-	Oxide, hydroxide and peroxide of barium
28.17	2817.00		Zinc oxide; zinc peroxide.
28.18			Artificial corundum, whether or not chemically defined; aluminium oxide; aluminium hydroxide.
	2818.10	-	Artificial corundum, whether or not chemically defined
	2818.20	-	Aluminium oxide, other than artificial corundum
	2818.30	-	Aluminium hydroxide
28.19			Chromium oxides and hydroxides.
	2819.10	-	Chromium trioxide
	2819.90	-	Other
28.20			Manganese oxides.
	2820.10	-	Manganese dioxide
	2820.90	-	Other
28.21			Iron oxides and hydroxides; earth colours containing 70% or more by weight of combined iron evaluated as $\text{Fe}_2\text{O}_3$ .
	2821.10	-	Iron oxides and hydroxides
	2821.20	-	Earth colours
28.22	2822.00		Cobalt oxides and hydroxides; commercial cobalt oxides.
28.23	2823.00		Titanium oxides.
28.24			Lead oxides; red lead and orange lead.
	2824.10	-	Lead monoxide (litharge, massicot)
	2824.20	-	Red lead and orange lead
	2824.90	-	Other
28.25			Hydrazine and hydroxylamine and their inorganic salts; other inorganic bases; other metal oxides, hydroxides and peroxides.
	2825.10	-	Hydrazine and hydroxylamine and their inorganic salts

	2825.20	-	Lithium oxide and hydroxide
	2825.30	-	Vanadium oxides and hydroxides
	2825.40	-	Nickel oxides and hydroxides
	2825.50	-	Copper oxides and hydroxides
	2825.60	-	Germanium oxides and zirconium dioxide
	2825.70	-	Molybdenum oxides and hydroxides
	2825.80	-	Antimony oxides
	2825.90	-	Other
			V-SALTS AND PEROXYSALTS, OF INORGANIC ACIDS AND METALS
28.26			Fluorides; fluorosilicates, fluoroaluminates and other complex fluorine salts.
		-	Fluorides:
	2826.11		Of ammonium or of sodium
	2826.12		Of aluminium
	2826.19		Other
	2826.20	-	Fluorosilicates of sodium or of potassium
	2826.30	-	Sodium hexafluoroaluminate (synthetic cryolite)
	2826.90	-	Other
28.27			Chlorides, chloride oxides and chloride hydroxides; bromides and bromide oxides; iodides and iodide oxides.
	2827.10	-	Ammonium chloride
	2827.20	-	Calcium chloride
		-	Other chlorides:
	2827.31		Of magnesium
	2827.32		Of aluminium
	2827.33		Of iron
	2827.34		Of cobalt
	2827.35		Of nickel
	2827.36		Of zinc
	2827.38		Of barium
	2827.39		Other
		-	Chloride oxides and chloride

			hydroxides:
	2827.41		Of copper
	2827.49		Other
	2027.13		Bromides and bromide oxides:
	2827.51		Bromides of sodium or of
	2027.51		potassium
	2827.59		Other
	2827.60	-	Iodides and iodide oxides
28.28			Hypochlorites; commercial calcium hypochlorite; chlorites; hypobromites.
	2828.10	-	Commercial calcium hypochlorite and other calcium hypochlorites
	2828.90	-	Other
28.29			Chlorates and perchlorates; bromates and perbromates; iodates and periodates.
		-	Chlorates:
	2829.11		Of Sodium
	2829.19		Other
	2829.90	-	Other
28.30			Sulphides; polysulphides.
	2830.10	-	Sodium sulphides
	2830.20	-	Zinc sulphide
	2830.30	-	Cadmium sulphide
	2830.90	-	Other
28.31			Dithionites and sulphoxylates.
	2831.10	-	Of sodium
	2831.90	-	Other
28.32			Sulphites; thiosulphates.
	2832.10	-	Sodium sulphites
	2832.20	-	Other sulphites
	2832.30	-	Thiosulphates
28.33			Sulphates; alums; peroxosulphates (persulphates).
		-	Sodium sulphates:
	2833.11		Disodium sulphate

	2833.19		Other
		-	Other sulphates:
	2833.21		Of magnesium
	2833.23		Of chromium
	2833.24		Of nickel
	2833.25		Of copper
	2833.26		Of zinc
	2833.27		Of barium
	2833.29		Other
	2833.30	-	Alums
	2833.40	-	Peroxosulphates (persulphates)
28.34			Nitrites; nitrates.
	2834.10	-	Nitrites
		-	Nitrates:
	2834.21		Of potassium
	2834.22		Of bismuth
	2834.29		Other:
	203 1123		outer:
28.35	200 1123		Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.
28.35	2835.10	-	Phosphinates (hypophosphites), phosphonates (phosphites),
28.35		-	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and
28.35		- -	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)
28.35	2835.10	- - 	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)  Phospates:
28.35	2835.10 2835.22	- - 	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)  Phospates:  Of mono-or disodium
28.35	2835.10 2835.22 2835.23	- -  	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)  Phospates:  Of mono-or disodium  Of trisodium
28.35	2835.10 2835.22 2835.23 2835.24	- - -  	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)  Phospates:  Of mono-or disodium  Of trisodium  Of potassium  Calcium hydrogenorthophosphate
28.35	2835.10 2835.22 2835.23 2835.24 2835.25	- -   	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)  Phospates:  Of mono-or disodium  Of trisodium  Of potassium  Calcium hydrogenorthophosphate ("dicalcium phosphate")
28.35	2835.10 2835.22 2835.23 2835.24 2835.25 2835.26	- -    	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)  Phospates:  Of mono-or disodium  Of trisodium  Of potassium  Calcium hydrogenorthophosphate ("dicalcium phosphate")  Other phosphates of calcium
28.35	2835.10 2835.22 2835.23 2835.24 2835.25 2835.26		Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)  Phospates:  Of mono-or disodium  Of trisodium  Of potassium  Calcium hydrogenorthophosphate ("dicalcium phosphate")  Other phosphates of calcium  Other
28.35	2835.10 2835.22 2835.23 2835.24 2835.25 2835.26 2835.29	  -	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.  Phosphinates (hypophosphites) and phosphonates (phosphites)  Phospates:  Of mono-or disodium  Of trisodium  Of potassium  Calcium hydrogenorthophosphate ("dicalcium phosphate")  Other phosphates of calcium  Other  Polyphosphates:  Sodium triphosphate (sodium

## ammonium carbamate.

	2836.10	-	Commercial ammonium carbonate and other ammonium carbonates
	2836.20	-	Disodium carbonate
	2836.30	-	Sodium hydrogencarbonate (sodium bicarbonate)
	2836.40	-	Potassium carbonates
	2836.50	-	Calcium carbonate
	2836.60	-	Barium carbonate
	2836.70	-	Lead carbonate
		-	Other:
	2836.91		Lithium carbonates
	2836.92		Strontium carbonate
	2836.99		Other
28.37			Cyanides, cyanide oxides and complex cyanides.
		-	Cyanides and cyanide oxides:
	2837.11		Of sodium
	2837.19		Other
	2837.20	-	Complex cyanides
28.38	2837.20 2838.00	-	Complex cyanides  Fulminates, cyanates and thiocyanates.
28.38 28.39		-	Fulminates, cyanates and
		-	Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali
		- -	Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.
	2838.00	- - -	Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.  Of sodium:
	2838.00 2839.11	- - 	Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.  Of sodium:  Sodium metasilicates
	2839.11 2839.19	- - - -	Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.  Of sodium:  Sodium metasilicates  Other
	2839.11 2839.19 2839.20	- - - -	Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.  Of sodium:  Sodium metasilicates  Other  Of potassium
28.39	2839.11 2839.19 2839.20	-	Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.  Of sodium:  Sodium metasilicates  Other  Of potassium  Other  Borates; peroxoborates
28.39	2839.11 2839.19 2839.20		Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.  Of sodium:  Sodium metasilicates  Other  Of potassium  Other  Borates; peroxoborates (perborates).  Disodium tetraborate
28.39	2839.11 2839.19 2839.20 2839.90	- - - - - - -	Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.  Of sodium:  Sodium metasilicates  Other  Of potassium  Other  Borates; peroxoborates (perborates).  Disodium tetraborate (refined borax):
28.39	2839.11 2839.19 2839.20 2839.90		Fulminates, cyanates and thiocyanates.  Silicates; commercial alkali metal silicates.  Of sodium:  Sodium metasilicates  Other  Of potassium  Other  Borates; peroxoborates (perborates).  Disodium tetraborate (refined borax):  Anhydrous

28.41			Salts of oxometallic or peroxometallic acids.
	2841.10	-	Aluminates
	2841.20	-	Chromates of zinc or of lead
	2841.30	-	Sodium dichromate
	2841.40	-	Potassium dichromate
	2841.50	-	Other chromates and dichromates; peroxochromates
		-	Manganites, manganates and permanganates:
	2841.61		Potassium permanganate
	2841.69		Other
	2841.70	-	Molybdates
	2841.80	-	Tungstates (wolframates)
	2841.90	-	Other
28.42			Other salts of inorganic acids or peroxoacids, excluding azides.
	2842.10	-	Double or complex silicates
	2842.90	-	Other
			VI-MISCELLANEOUS
28.43			Colloidal precious metals; inorganic or organic compounds of precious metals, whether or not chemically defined; amalgams of precious metals.
	2843.10		
		-	Colloidal precious metals
		-	Colloidal precious metals Silver compounds:
	2843.21	- - 	
	2843.21 2843.29	- - 	Silver compounds:
			Silver compounds: Silver nitrate
	2843.29		Silver compounds: Silver nitrate Other
28.44	2843.29 2843.30		Silver compounds: Silver nitrate Other Gold compounds

	2844.20	-	Uranium enriched in U 235 and its compounds; plutonium and its compounds; alloys, dispersions (including cermets), ceramic products and mixtures containing uranium enriched in U 235, plutonium or compounds of these products
	2844.30	-	Uranium depleted in U 235 and its compounds; thorium and its compounds; alloys, dispersions (including cermets), ceramic products and mixtures containing uranium depleted in U 235, thorium or compounds of these products
	2844.40	-	Radioactive elements and isotopes and compounds other than those of subheading No. 2844.10, 2844.20 or 2844.30; alloys, dispersions (including cermets), ceramic products and mixtures containing these elements, isotopes or compounds; radioactive residues
	2844.50	-	Spent (irradiated) fuel elements (cartridges) of nuclear reactors
28.45			Isotopes other than those of heading No. 28.44; compounds, inorganic or organic, of such isotopes, whether or not chemically defined.
	2845.10	-	Heavy water (deuterium oxide)
	2845.90	-	Other
28.46			Compounds, inorganic or organic, of rare-earth metals, of yttrium or of scandium or of mixtures of these metals.
	2846.10	-	Cerium compounds
	2846.90	-	Other
28.47	2847.00		Hydrogen peroxide, whether or not solidified with urea.
28.48	2848.00		Phosphides, whether or not chemically defined, excluding ferrophosphorus.
28.49			Carbides, whether or not chemically defined.
	2849.10	-	Of calcium
	2849.20	-	Of silicon
	2849.90	-	Other
28.50	2850.00		Hydrides, nitrides, azides, silicides and borides, whether or not chemically defined, other than compounds which are also carbides of heading No. 28.49.

#### **28.51** 2851.00

Other inorganic compounds (including distilled or conductivity water and water of similar purity); liquid air (whether or not rare gases have been removed); compressed air; amalgams, other than amalgams of precious metals.

#### Chapter 72

#### Iron and steel

72.01			Pig iron and spiegeleisen in pigs, blocks or other primary forms.
	7201.10	-	Non-alloy pig iron containing by weight 0.5% or less of phosphorus
	7201.20	-	Non-alloy pig iron containing by weight more than 0.5% of phosphorus
	7201.50	-	Alloy pig iron; spiegeleisen
72.02			Ferro-alloys.
		-	Ferro-manganese:
	7202.11		Containing by weight more than 2% of carbon
	7202.19		Other
		-	Ferro-silicon:
	7202.21		Containing by weight more than 55% of silicon
	7202.29		Other
	7202.30	-	Ferro-silico-manganese
		-	Ferro-chromium:
	7202.41		Containing by weight more than 4% of carbon
	7202.49		Other
	7202.50	-	Ferro-silico-chromium
	7202.60	-	Ferro-nickel
	7202.70	-	Ferro-molybdenum
	7202.80	-	Ferro-tungsten and ferro- silico-tungsten
		-	Other:
	7202.91		Ferro-titanium and ferro- silico-titanium
	7202.92		Ferro-vanadium

	7202.93		Ferro-niobium
	7202.99		Other
72.03			Ferrous products obtained by direct reduction of iron ore and other spongy ferrous products, in lumps, pellets or similar forms; iron having a minimum purity by weight of 99.94%, in lumps, pellets or similar forms.
	7203.10	-	Ferrous products obtained by direct reduction of iron ore
	7203.90	-	Other
72.04			Ferrous waste and scrap; remelting scrap ingots of iron or steel.
	7204.10	-	Waste and scrap of cast iron
		-	Waste and scrap of alloy steel:
	7204.21		Of stainless steel
	7204.29		Other
	7204.30	-	Waste and scrap of tinned iron or steel
		-	Other waste and scrap:
	7204.41		Turnings, shavings, chips, milling waste, sawdust, filings, trimmings and stampings, whether or not in bundles
	7204.49		Other
	7204.50	-	Remelting scrap ingots
72.05			Granules and powders, of pig iron, spiegeleisen, iron or steel.
	7205.10	-	Granules
		-	Powders:
	7205.21		Of alloy steel
	7205.29		Other
			II - IRON AND NON-ALLOY STEEL
72.06			Iron and non-alloy steel in ingots or other primary forms (excluding iron of heading No. 72.03).
	7206.10	-	Ingots
	7206.90	-	Other
72.07			Semi-finished products of iron or non-alloy steel.

		-	Containing by weight less than 0.25% of carbon:
	7207.11		Of rectangular (including square) cross-section, the width measuring less than twice the thickness
	7207.12		Other, of rectangular (other than square) cross-section
	7207.19		Other
	7207.20	-	Containing by weight 0.25% or more of carbon
72.08			Flat-rolled products of iron or non-alloy steel, of a width of 600 mm or more, hot-rolled, not clad, plated or coated.
	7208.10	-	In coils, not further worked than hot-rolled, with patterns in relief
		-	Other, in coils, not further worked than hot-rolled, pickled:
	7208.25		Of a thickness of 4.75 mm or more
	7208.26		Of a thickness of 3 mm or more but less than 4.75 mm
	7208.27		Of a thickness of less than 3 mm
		-	Other, in coils, not further worked than hot-rolled:
	7208.36		Of a thickness exceeding 10 mm
	7208.37		Of a thickness of 4.75 mm or more but not exceeding 10 mm
	7208.38		Of a thickness of 3 mm or more but less than 4.75 mm
	7208.39		Of a thickness of less than 3 mm
	7208.40	-	Not in coils, not further worked than hot-rolled, with patterns in relief
		-	Other, not in coils, not further worked than hot-rolled:
	7208.51		Of a thickness exceeding 10 mm
	7208.52		Of a thickness of 4.75 mm or more but not exceeding 10 mm
	7208.53		Of a thickness of 3 mm or more but less than 4.75 mm
	7208.54		Of a thickness of less than 3 mm
	7208.90	-	Other
72.09			Flat-rolled products of iron or

non-alloy steel, of a width of 600 mm
or more, cold-rolled (cold-reduced),
not clad, plated or coated.

	-	In coils, not further worked than cold-rolled (cold-reduced):
7209.15		Of a thickness of 3 mm or more
7209.16		Of a thickness exceeding 1 mm but less than 3mm
7209.17		Of a thickness of 0.5 mm or more but not exceeding 1 mm
7209.18		Of a thickness of less than 0.5 mm
	-	Not in coils, not further worked than cold-rolled (cold-reduced):
7209.25		Of a thickness of 3 mm or more
7209.26		Of a thickness exceeding 1 mm but less than 3 mm
7209.27		Of a thickness of 0.5 mm or more but not exceeding 1 mm
7209.28		Of a thickness of less than 0.5 mm
7209.90	-	Other
		Flat-rolled products of iron or non-alloy steel, of a width of 600 mm or more, clad, plated or coated.
	-	Plated or coated with tin:
7210.11		Of a thickness of 0.5 mm or more
7210.20	-	Plated or coated with lead, including terne-plate
7210.30	-	Electrolytically plated or coated with zinc
7210.50	-	Plated or coated with chromium oxides or with chromium and chromium oxides
	-	Plated or coated with aluminium:
7210.61		Plated or coated with aluminium- zinc alloys
7210.69		Other
7210.70	-	Painted, varnished or coated with plastics
7210.90	-	Other

72.10

72.11

		-	Not further worked than hot-rolled:
	7211.13		Rolled on four faces or in a closed box pass, of a width exceeding 150 mm and a thickness of not less than 4 mm, not in coils and without patterns in relief
	7211.14		Other, of a thickness of 4.75 mm or more
	7211.19		Other
		-	Not further worked than cold-rolled (cold-reduced):
	7211.23		Containing by weight less than 0.25% of carbon
	7211.29		Other
	7211.90	-	Other
72.12			Flat-rolled products of iron or non-alloy steel, of a width of less than 600 mm, clad, plated or coated.
	7212.10	-	Plated or coated with tin:
	7212.40	-	Painted, varnished or coated with plastics
	7212.50	-	Otherwise plated or coated
	7212.60	-	Clad
72.13			Bars and rods, hot-rolled, in
, 2.13			irregularly wound coils, of iron or non-alloy steel.
	7213.20	-	Other, of free-cutting steel
		-	Other:
	7213.91		Of circular cross-section measuring less than 14 mm. in diameter
	7213.99		Other
72.15			Other bars and rods of iron or non-alloy steel.
	7215.10	-	Of free-cutting steel, not further worked than cold-formed or cold-finished
	7215.50	-	Other, not further worked than cold-formed or cold-finished

	7215.90	-	Other
72.16			Angles, shapes and sections of iron or non-alloy steel.
	7216.10	-	U,I or H sections, not further worked than hot-rolled, hot-drawn or extruded, of a height of less than 80 mm
		-	L or T sections, not further worked than hot-rolled, hot- drawn or extruded, of a height of less than 80 mm:
	7216.22		T sections
		-	U, I or H sections, not further worked than hot-rolled, hot-drawn or extruded of a height of 80 mm or more:
	7216.31		U sections
	7216.32		I sections
	7216.33		H sections
	7216.40	-	L or T sections, not further worked than hot-rolled, hot-drawn or extruded, of a height of 80 mm or more
	7216.50	-	Other angles, shapes and sections, not further worked than hot-rolled, hot-drawn or extruded
		-	Angles, shapes and sections, not further worked than cold-formed or cold-finished:
	7216.61		Obtained from flat-rolled products
	7216.69		Other
		-	Other:
	7216.91		Cold-formed or cold-finished from flat-rolled products
	7216.99		Other
72.17			Wire of iron or non-alloy steel.
	7217.30	-	Plated or coated with other base metals
	7217.90	-	Other
72.18			Stainless steel in ingots or other primary forms; semi-finished products of stainless steel.
	7218.10	-	Ingots and other primary forms

		-	Other:
	7218.91		Of rectangular (other than square) cross-section
	7218.99		Other
72.19			Flat-rolled products of stainless steel, of a width of 600 mm or more.
		-	Not further worked than hot-rolled, in coils:
	7219.11		Of a thickness exceeding 10 mm
	7219.12		Of a thickness of 4.75 mm or more but not exceeding 10 mm
	7219.13		Of a thickness of 3 mm or more but less than 4.75 mm
	7219.14		Of a thickness of less than 3 mm
		-	Not further worked than hot-rolled, not in coils:
	7219.21		Of a thickness exceeding 10 mm
	7219.22		Of a thickness of 4.75 mm or more but not exceeding 10 mm
	7219.23		Of a thickness of 3 mm or more but less than 4.75 mm
	7219.24		Of a thickness of less than 3 mm
		-	Not further worked than cold-rolled (cold-reduced):
	7219.31		Of a thickness of 4.75 mm or more
	7219.32		Of a thickness of 3 mm or more but less than 4.75 mm
	7219.33		Of a thickness exceeding 1 mm but less than 3 mm
	7219.34		Of a thickness of 0.5 mm or more but not exceeding 1 mm
	7219.35		Of a thickness of less than 0.5 mm
	7219.90	-	Other
72.20			Flat-rolled products of stainless steel, of a width of less than 600 mm.
		-	Not further worked than hot-rolled:
	7220.11		Of a thickness of 4.75 mm or more
	7220.12		Of a thickness of less than 4.75 mm
	7220.20	-	Not further worked than cold-rolled (cold-reduced)

	7220.90	-	Other
72.21	7221.00		Bars and rods, hot-rolled, in irregularly wound coils, of stainless steel.
72.22			Other bars and rods of stainless steel; angles, shapes and sections of stainless steel.
		-	Bars and rods, not further worked than hot-rolled, hot-drawn or extruded:
	7222.11		Of circular cross-section
	7222.19		Other
	7222.20	-	Bars and rods, not further worked than cold-formed or cold-finished
	7222.30	-	Other bars and rods
	7222.40	-	Angles, shapes and sections
72.23	7223.00		Wire of stainless steel.
72.24			Other alloy steel in ingots or other primary forms; semi-finished products of other alloy steel.
	7224.10	-	Ingots and other primary forms
	7224.90	-	Other
72.25			Flat-rolled products of other alloy steel, of a width of 600 mm or more.
		-	Of silicon-electrical steel:
	7225.11		Grain-oriented
	7225.19		Other
	7225.20	-	Of high speed steel
	7225.30	-	Other, not further worked than hot-rolled, in coils
	7225.40	-	Other, not further worked than hot-rolled, not in coils
	7225.50	-	Other, not further worked than cold-rolled (cold-reduced)
		-	Other:
	7225.91		Electrolytically plated or coated with zinc
	7225.92		Otherwise plated or coated with zinc
	7225.99		Other
72.26			Flat-rolled products of other

# alloy steel, of a width of less than 600 mm.

		-	Of silicon-electrical steel:
	7226.11		Grain-oriented
	7226.19		Other
	7226.20	-	Of high speed steel
		-	Other:
	7226.91		Not further worked than hot-rolled
	7226.92		Not further worked than cold-rolled (cold-reduced)
	7226.93		Electrolytically plated or coated with zinc
	7226.94		Otherwise plated or coated with zinc
	7226.99		Other
72.27			Bars and rods, hot-rolled, in irregularly wound coils, of other alloy steel.
	7227.10	-	Of high speed steel
	7227.20	-	Of silico-manganese steel
	7227.90	-	Other
72.28			Other bars and rods of other alloy steel; angles, shapes and sections, of other alloy steel; hollow drill bars and rods, of alloy or non-alloy steel.
	7228.10	-	Bars and rods, of high speed steel
	7228.20	-	Bars and rods, of silico-manganese steel
	7228.30	-	Other bars and rods, not further worked than hot-rolled, hot-drawn or extruded
	7228.40	-	Other bars and rods, not further worked than forged
	7228.50	-	Other bars and rods, not further worked than cold-formed or cold-finished
	7228.50 7228.60	-	worked than cold-formed or
		-	worked than cold-formed or cold-finished
	7228.60	-	worked than cold-formed or cold-finished  Other bars and rods

7229.10	-	Of high speed steel
7229.20	-	Of silico-manganese steel
7229.90	-	Other

## Chapter 73

#### Articles of iron or steel

73.01			Sheet piling of iron or steel, whether or not drilled, punched or made from assembled elements; welded angles, shapes and sections, of iron or steel.
	7301.10	-	Sheet piling
	7301.20	-	Angles, shapes and sections
73.02			Railway or tramway track constructi

Railway or tramway track construction material of iron or steel, the following: rails, check-rails and rack rails, switch blades, crossing frogs, point rods and other crossing pieces, sleepers (cross-ties), fish-plates, chairs, chair wedges, sole plates (base plates), rail clips, bedplates, ties and other material specialized for jointing or fixing rails.

7302.10	-	Rails
7302.20	-	Sleepers (cross-ties)
7302.30	-	Switch blades, crossing frogs, point rods and other crossing pieces
7302.40	-	Fish-plates and sole plates
7302.90	-	Other
7303.00		Tubes, pipes and hollow profiles, of cast iron.

73.04 Tubes, pipes and hollow profiles, seamless, of iron (other than cast iron) or steel.

7304.10 - Line pipe of a kind used for oil or gas pipelines - Casing, tubing and drill pipe,

of a kind used in drilling for oil or gas:

7304.21 -- Drill pipe: 7304.29 -- Other:

73.03

- Other, of circular cross-section,

			of from or from alloy steer.
	7304.31		Cold-drawn or cold-rolled (cold-reduced):
	7304.39		Other:
		-	Other, of circular cross-section, of stainless steel:
	7304.41		Cold-drawn or cold-rolled (cold-reduced):
	7304.49		Other:
		-	Other, of circular cross-section, of other alloy steel:
	7304.51		Cold-drawn or cold-rolled (cold-reduced):
	7304.59		Other:
	7304.90	-	Other:
73.05			Other tubes and pipes (for example, welded, riveted or similarly closed), having circular cross-sections, the external diameter of which exceeds 406.4 mm, of iron or steel.
		-	Line pipe of a kind used for oil or gas pipelines:
	7305.11		Longitudinally submerged arc welded:
	7305.12		Other, longitudinally welded:
	7305.19		Other:
	7305.20	-	Casing of a kind used in drilling for oil or gas:
		-	Other, welded:
	7305.31		Longitudinally welded:
	7305.39		Other:
	7305.90	-	Other:
73.06			Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel.
	7306.10	-	Line pipe of a kind used for oil or gas pipelines:
	7306.20	-	Casing and tubing of a kind used in drilling for oil or gas:
	7306.30	-	Other, welded, of circular cross-section, of iron or non-alloy steel:

of iron or non-alloy steel:

	7306.40	-	Other, welded, of circular cross-section, of stainless steel:
	7306.50	-	Other, welded, of circular cross-section, of other alloy steel:
	7306.60	-	Other, welded, of non-circular cross-section:
	7306.90	-	Other:
73.07			Tube or pipe fittings (for example, couplings, elbows, sleeves), of iron or steel.
		-	Cast fittings:
	7307.11		Of non-malleable cast iron
	7307.19		Other
		-	Other, of stainless steel:
	7307.21		Flanges
	7307.22		Threaded elbows, bends and sleeves
	7307.23		Butt welding fittings
	7307.29		Other
		-	Other:
	7307.91		Flanges
	7307.92		Threaded elbows, bends and sleeves
	7307.93		Butt welding fittings
	7307.99		Other
73.11	7311.00		Containers for compressed or liquefied gas, of iron or steel:
73.15			Chain and parts thereof, of iron or steel.
		-	Articulated link chain and parts thereof:
	7315.11		Roller chain
	7315.12		Other chain
	7315.19		Parts
	7315.20	-	Skid chain
		-	Other chain:
	7315.81		Stud-link
	7315.82		Other, welded link

	7315.89		Other
	7315.90	-	Other parts
73.16	7316.00		Anchors, grapnels and parts thereof, of iron or steel.
73.19			Sewing needles, knitting needles, bodkins, crochet hooks, embroidery stilettos and similar articles, for use in the hand, of iron or steel; safety pins and other pins of iron or steel, not elsewhere specified or included.
	7319.10	-	Sewing, darning or embroidery needles
73.20			Springs and leaves for springs, of iron or steel.
•	7320.20	-	Helical springs
	7320.90	-	Other
73.21			Stoves, ranges, grates, cookers (including those with subsidiary boilers for central heating), barbecues, braziers, gas-rings, plate warmers and similar non- electric domestic appliances, and parts thereof, of iron or steel.
	7321.90	-	Parts
73.23			Table, kitchen or other household articles and parts thereof, of iron or steel; iron or steel wool; pot scourers and scouring or polishing pads, gloves and the like, of iron or steel.
	7323.10	-	Iron or steel wool; pot scourers and scouring or polishing pads, gloves and the like
		-	Other:
	7323.91		Of cast iron, not enamelled
	7323.92		Of cast iron, enamelled
	7323.94		Of iron (other than cast iron) or steel, enamelled
73.24			Sanitary ware and parts thereof, of iron or steel.
	7324.21		Of cast iron, whether or not enamelled

## Chapter 74

Copper and articles thereof

74.01			
			Copper mattes; cement copper (precipitated copper).
	7401.10	-	Copper mattes
	7401.20	-	Cement copper (precipitated copper)
74.02	7402.00		Un refined copper; copper anodes for electrolytic refining.
74.03			Refined copper and copper alloys, unwrought.
		-	Refined copper:
	7403.11		Cathodes and sections of cathodes
	7403.12		Wire-bars
	7403.13		Billets
	7403.19		Other
		-	Copper alloys:
	7403.21		Copper-zinc base alloys (brass)
	7403.22		Copper-tin base alloys (bronze)
	7403.23		Copper-nickel base alloys (cupro- nickel) or copper-nickel-zinc base alloys (nickel silver)
	7403.29		Other copper alloys (other than master alloys of heading No. 74.05)
74.04	7404.00		Copper waste and scrap.
74.05	7405.00		Master alloys of copper.
74.06			Copper powders and flakes.
	7406.10	-	Powders of non-lamellar structure
	7406.20	-	Powders of lamellar structure; flakes
74.07			Copper bars, rods and profiles.
	7407.10	-	Of refined copper
		-	Of copper alloys:
	7407.21		Of copper-zinc base alloys (brass)
	7407.22		Of copper-nickel base alloys (cupro-nickel) or copper-nickel- zinc base alloys (nickel silver)
	7407.29		Other
74.08			Copper wire.

		-	Of refined copper:
	7408.11		Of which the maximum cross- sectional dimension exceeds 6 mm
	7408.21		Of copper-zinc base alloys (brass)
	7408.22		Of copper-nickel base alloys (cupro-nickel) or copper-nickel- zinc base alloys (nickel silver)
	7408.29		Other
74.09			Copper plates, sheets and strip, of a thickness exceeding 0.15 mm.
		-	Of refined copper:
	7409.11		In coils
	7409.19		Other
		-	Of copper-zinc base alloys (brass):
	7409.21		In coils
	7409.29		Other
		-	Of copper-tin base alloys (bronze):
	7409.31		In coils
	7409.39		Other
	7409.40	-	Of copper-nickel base alloys (cupro-nickel) or copper-nickel- zinc base alloys (nickel silver)
	7409.90	-	Of other copper alloys
74.10			Copper foil (whether or not printed or backed with paper, paperboard, plastics or similar backing materials) of a thickness (excluding any backing) not exceeding 0.15 mm.
		-	Not backed:
	7410.11		Of refined copper
	7410.12		Of copper alloys
		-	Backed:
	7410.21		Of refined copper
	7410.22		Of copper alloys
74.11			Copper tubes and pipes.
	7411.10	-	Of refined copper

		-	Of copper alloys:
	7411.21		Of copper-zinc base alloys (brass)
	7411.22		Of copper-nickel base alloys (cupro-nickel) or copper-nickel- zinc base alloys (nickel silver)
	7411.29		Other
74.12			Copper tube or pipe fittings (for example, couplings, elbows, sleeves).
	7412.10	-	Of refined copper
	7412.20	-	Of copper alloys
74.16	7416.00		Copper springs.
74.17	7417.00		Cooking or heating apparatus of a kind used for domestic purposes, non-electric, and parts thereof, of copper.
			Chapter 75
			Nickel and articles thereof
75.01			Nickel mattes, nickel oxide sinters
			and other intermediate products of nickel metallurgy.
	7501.10	-	
	7501.10 7501.20	-	nickel metallurgy.
75.02		-	nickel metallurgy.  Nickel mattes  Nickel oxide sinters and other intermediate products of nickel
<b>75.02 75.03</b>	7501.20 7502.10	-	nickel metallurgy.  Nickel mattes  Nickel oxide sinters and other intermediate products of nickel metallurgy  Unwrought nickel.  Nickel, not alloys
	7501.20 7502.10 7502.20	-	nickel metallurgy.  Nickel mattes  Nickel oxide sinters and other intermediate products of nickel metallurgy  Unwrought nickel.  Nickel, not alloys  Nickel alloys
75.03	7501.20 7502.10 7502.20 7503.00	-	Nickel metallurgy.  Nickel mattes  Nickel oxide sinters and other intermediate products of nickel metallurgy  Unwrought nickel.  Nickel, not alloys  Nickel alloys  Nickel waste and scrap.
75.03 75.04	7501.20 7502.10 7502.20 7503.00	-	Nickel metallurgy.  Nickel mattes  Nickel oxide sinters and other intermediate products of nickel metallurgy  Unwrought nickel.  Nickel, not alloys  Nickel alloys  Nickel waste and scrap.  Nickel powders and flakes.  Nickel bars, rods, profiles
75.03 75.04	7501.20 7502.10 7502.20 7503.00	-	Nickel mattes  Nickel oxide sinters and other intermediate products of nickel metallurgy  Unwrought nickel.  Nickel, not alloys Nickel alloys Nickel waste and scrap.  Nickel powders and flakes.  Nickel bars, rods, profiles and wire.
75.03 75.04	7501.20 7502.10 7502.20 7503.00 7504.00	-	Nickel mattes  Nickel oxide sinters and other intermediate products of nickel metallurgy  Unwrought nickel. Nickel, not alloys Nickel alloys Nickel waste and scrap.  Nickel powders and flakes.  Nickel bars, rods, profiles and wire.  Bars, rods and profiles:
75.03 75.04	7501.20 7502.10 7502.20 7503.00 7504.00	-	Nickel mattes  Nickel oxide sinters and other intermediate products of nickel metallurgy  Unwrought nickel. Nickel, not alloys Nickel alloys Nickel waste and scrap.  Nickel powders and flakes.  Nickel bars, rods, profiles and wire.  Bars, rods and profiles: Of nickel, not alloyed
75.03 75.04	7501.20 7502.10 7502.20 7503.00 7504.00		Nickel mattes  Nickel oxide sinters and other intermediate products of nickel metallurgy  Unwrought nickel. Nickel, not alloys Nickel alloys Nickel waste and scrap.  Nickel powders and flakes.  Nickel bars, rods, profiles and wire.  Bars, rods and profiles: Of nickel, not alloyed Of nickel alloys

75.06 Nickel plates, sheets, strip and foil.

7506.10 - Of nickel, not alloyed

7506.20 - Of nickel alloys

75.07 Nickel tubes, pipes and tube or

pipe fittings (for example, couplings, elbows, sleeves).

Tubes and pipes:

7507.11 -- Of nickel, not alloyed

7507.12 -- Of nickel alloys

7507.20 - Tube or pipe fittings

#### Chapter 84

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

84.02 Steam or other vapour generating

boilers (other than central heating hot water boilers capable also of producing low pressure steam);super-heated water

boilers.

- Steam or other vapour generating

boilers:

8402.11 -- Watertube boilers with a steam

production exceeding 45 t per

hour

8402.12 -- Watertube boilers with a steam

production not exceeding 45 t

per hour

8402.19 -- Other vapour generating boilers,

including hybrid boilers

8402.20 - Super-heated water boilers

8402.90 - Parts

84.05 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 - 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

	8405.90	-	Parts
84.06			Steam turbines and other vapour turbines.
	8406.10	-	Turbines for marine propulsion
		-	Other turbines:
	8406.81		Of an output exceeding 40 MW
	8406.82		Of an output not exceeding 40 MW
	8406.90	-	Parts
84.07			Spark-ignition reciprocating or rotary internal combustion piston engines.
		-	Marine propulsion engines:
	8407.21		Outboard motors:
	8407.29		Other:
84.08			Compression-ignition internal combustion piston engines (diesel or semi-diesel engines).
	8408.10	-	Marine propulsion engines
	8408.20	-	Engines of a kind used for the propulsion of vehicles of Chapter 87:
	8408.90	-	Other engines
84.09			Parts suitable for use solely or principally with the engines of heading No. 84.07 or 84.08.
	8409.10	-	For aircraft engines
		-	Other:
	8409.91		Suitable for use solely or principally with spark-ignition internal combustion piston engines
	8409.99		Other
84.10			Hydraulic turbines, water wheels, and regulators therefor.
		-	Hydraulic turbines and water wheels:
	8410.11		Of a power not exceeding 1000 kW
	8410.12		Of a power exceeding 1000 kW but not exceeding 10,000 kW
	8410.13		Of a power exceeding 10,000 kW
	8410.90	-	Parts, including regulators
84.11			Turbo-jets, turbo-propellers and

## other gas turbines.

		-	Turbo-jets:
	8411.11		Of a thrust not exceeding 25 kN
	8411.12		Of a thrust exceeding 25 kN
		-	Turbo-propellers:
	8411.21		Of a power not exceeding 1,100 kW
	8411.22		Of a power exceeding 1,100 kW
		-	Other gas turbines:
	8411.81		Of a power not exceeding 5,000 kW
	8411.82		Of a power exceeding 5,000 kW
		-	Parts:
	8411.91		Of turbo-jets or turbo-propellers
	8411.99		Other
84.12			Other engines and motors.
	8412.10	-	Reaction engines other than turbo-jets
		-	Hydraulic power engines and motors:
	8412.21		Linear acting (cylinders)
	8412.29		Other
		-	Pneumatic power engines and motors:
	8412.31		Linear acting (cylinders)
	8412.39		Other
	8412.80	-	Other
	8412.90	-	Parts
84.13			Pumps for liquids, whether or not fitted with a measuring device; liquid elevators.
		-	Pumps fitted or designed to be fitted with a measuring device:
	8413.11		Pumps for dispensing fuel or lubricants, of the type used in filling-stations or in garages
	8413.19		Other
	8413.20	-	Hand pumps, other than those of subheading No. 8413.11 or 8413.19

	8413.30	-	Fuel, lubricating or cooling medium pumps for internal combustion piston engines
	8413.40	-	Concrete pumps
	8413.50	-	Other reciprocating positive displacement pumps
84.14			Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters.
	8414.10	-	Vacuum pumps
	8414.20	-	Hand or foot-operated air pumps
	8414.30	-	Compressors of a kind used in refrigerating equipment:
	8414.40	-	Air compressors mounted on a wheeled chassis for towing
	8414.80	-	Other:
84.16			Furnace burners for liquid fuel, for pulverised solid fuel or for gas; mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances.
	044640		Furnace burners for liquid fuel
	8416.10	-	
	8416.10	-	Other furnace burners, including combination burners
		-	
	8416.20	-	combination burners  Mechanical stokers, including their mechanical grates, mechanical ash dischargers and
84.17	8416.20 8416.30	-	combination burners  Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances
84.17	8416.20 8416.30	-	combination burners  Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances  Parts  Industrial or laboratory furnaces and ovens, including incinerators,
84.17	8416.20 8416.30 8416.90	-	combination burners  Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances  Parts  Industrial or laboratory furnaces and ovens, including incinerators, non-electric.  Furnaces and ovens for the roasting, melting or other heattreatment of ores, pyrites or of
84.17	8416.20 8416.30 8416.90 8417.10	-	combination burners  Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances  Parts  Industrial or laboratory furnaces and ovens, including incinerators, non-electric.  Furnaces and ovens for the roasting, melting or other heattreatment of ores, pyrites or of metals  Bakery ovens, including biscuit
84.17	8416.20 8416.30 8416.90 8417.10	-	Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances  Parts  Industrial or laboratory furnaces and ovens, including incinerators, non-electric.  Furnaces and ovens for the roasting, melting or other heattreatment of ores, pyrites or of metals  Bakery ovens, including biscuit ovens

84.19			Machinery, plant or laboratory equipment, whether or not electrically heated, 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.
		-	Dryers:
	8419.31		For agricultural products
	8419.32		For wood, paper pulp, paper or paper board
	8419.39		Other
	8419.40	-	Distilling or rectifying plant
84.20			Calendaring or other rolling machines, other than for metals or glass, and cylinders therefor.
	8420.10	-	Calendaring or other rolling machines
		-	Parts:
	8420.91		Cylinders
	8420.99		Other
84.21			Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases.
		-	Centrifuges, including centrifugal dryers:
	8421.11		Cream separators
	8421.12		Clothes-dryers
	8421.19		Other:

Other

84.22

8421.39

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.

rating beverages.
ashing machines:
ery for cleaning or drying or other containers
ery for filling, closing, , or labelling bottles, cans, bags or other containers; ery for capsuling bottles, bes and similar containers; ery for aerating beverages:
packing or wrapping ery (including heat-shrink ng machinery):
tackle and hoists, other kip hoists; winches and ns; jacks.
cackle and hoists other kip hoists or hoists of a led for raising vehicles:
ed by electric motor
d winding gear; winches ly designed for use round
vinches; capstans:
ed by electric motor
hoists of a kind used ing vehicles:
Jacking systems of a sed in garages
acks and hoists, hydraulic
derricks; cranes, including cable s; mobile lifting frames, lle carriers and works trucks with a crane.
ad travelling cranes, orter cranes, gantry cranes, cranes, mobile lifting

	8426.11		Overhead travelling cranes on fixed support
	8426.12		Mobile lifting frames on tyres and straddle carriers
	8426.19		Other:
	8426.20	-	Tower cranes
	8426.30	-	Portal or pedestal jib cranes
		-	Other machinery, self-propelled:
	8426.41		On tyres
	8426.49		Other:
	8426.91		Designed for mounting on road vehicles
	8426.99		Other:
84.27			Fork-lift trucks; other work trucks fitted with lifting or handing equipment.
	8427.10	-	Self propelled trucks powered by an electric motor
	8427.90	-	Other trucks
84.28			Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics).
84.28	8428.10	-	or unloading machinery (for example, lifts, escalators,
84.28	8428.10 8428.20	-	or unloading machinery (for example, lifts, escalators, conveyors, teleferics).
84.28		- -	or unloading machinery (for example, lifts, escalators, conveyors, teleferics).  Lifts and skip hoists
84.28		- - -	or unloading machinery (for example, lifts, escalators, conveyors, teleferics).  Lifts and skip hoists  Pneumatic elevators and conveyors  Other continuous-action elevators and conveyors, for goods or
84.28	8428.20	- - -	or unloading machinery (for example, lifts, escalators, conveyors, teleferics).  Lifts and skip hoists  Pneumatic elevators and conveyors  Other continuous-action elevators and conveyors, for goods or materials:  Specially designed for underground
84.28	8428.20 8428.31	- - -	or unloading machinery (for example, lifts, escalators, conveyors, teleferics).  Lifts and skip hoists  Pneumatic elevators and conveyors  Other continuous-action elevators and conveyors, for goods or materials:  Specially designed for underground use
84.28	8428.20 8428.31 8428.32	- - - -	or unloading machinery (for example, lifts, escalators, conveyors, teleferics).  Lifts and skip hoists  Pneumatic elevators and conveyors  Other continuous-action elevators and conveyors, for goods or materials:  Specially designed for underground use  Other, bucket type
84.28	8428.20 8428.31 8428.32 8428.33	- - - - -	or unloading machinery (for example, lifts, escalators, conveyors, teleferics).  Lifts and skip hoists  Pneumatic elevators and conveyors  Other continuous-action elevators and conveyors, for goods or materials:  Specially designed for underground use  Other, bucket type  Other, belt type
84.28	8428.20 8428.31 8428.32 8428.33 8428.40		or unloading machinery (for example, lifts, escalators, conveyors, teleferics).  Lifts and skip hoists  Pneumatic elevators and conveyors  Other continuous-action elevators and conveyors, for goods or materials:  Specially designed for underground use  Other, bucket type  Other, belt type  Escalators and moving walkways  Mine wagon pushers, locomotive or wagon traverses, wagon tippers and similar railway wagon

84.29			Self-propelled bulldozers, angle dozers, graders, levellers, scrappers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers.
		-	Bulldozers and angle dozers:
	8429.11		Track laying:
	8429.19		Other:
	8429.20	-	Graders and levellers:
	8429.30	-	Scrapers
	8429.40	-	Tamping machines and road rollers:
		-	Mechanical shovels, excavators and shovel loaders:
	8429.51		Front-end shovel loaders:
	8429.52	-	Machinery with a 360° revolving superstructure:
	8429.59		Other:
84.30			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	-	Pile-drivers and pile-extractors
	8430.20	-	Snow-ploughs and snow-blowers
		-	Coal or rock cutters and tunnelling machinery:
	8430.31		Self-propelled
	8430.39		Other
		-	Other boring or sinking machinery:
	8430.41		Self-propelled
	8430.49		Other
	8430.50	-	Other machinery, self-propelled:
		-	Other machinery, not self-propelled:
	8430.61		Tamping or compacting machinery
	8430.62		Scrapers
	8430.69		Other

84.31			Parts suitable for use solely or principally with the machinery of heading Nos. 84.25 to 84.30.
	8431.10	-	Of machinery of heading No. 84.25
	8431.20	-	Of machinery of heading No. 84.27
		-	Of machinery of heading No. 84.28:
	8431.31		Of lifts, skip hoists or escalators
	8431.39		Other
		-	Of machinery of heading No.84.26, 84.29 or 84.30:
	8431.41		Buckets, shovels, grabs and grips
	8431.42		Bulldozer or angledozer blades
	8431.43		Parts for boring or sinking machinery of subheading No. 8430.41 or 8430.49
	8431.49		Other
84.34			Milking machines and dairy machinery.
	8434.10	-	Milking machines
	8434.20	-	Dairy machinery
	8434.90	-	Parts
84.35			Presses, crushers and similar machinery used in the manufacture of wine, cider, fruit juices or similar beverages.
	8435.10	-	Machinery
	8435.90	-	Parts
84.36			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	-	Machinery for preparing animal feeding stuffs
		-	Poultry-keeping machinery; poultry incubators and brooders:
	8436.21		Poultry incubators and brooders
	8436.29		Other
	8436.80	-	Other machinery

		-	Parts:
	8436.91		Of poultry-keeping machinery or poultry incubators and brooders
	8436.99		Other
84.38			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 fats or oils.
	8438.10	-	Bakery machinery and machinery for the manufacture of macaroni, spaghetti or similar products
	8438.20	-	Machinery for the manufacture of confectionery, cocoa or chocolate
	8438.40	-	Brewery machinery
	8438.50	-	Machinery for the preparation of meat or poultry
84.39			Machinery for making pulp of fibrous cellulosic material or for making or finishing paper or paperboard.
	8439.10	-	Machinery for making pulp of fibrous cellulosic material
	8439.20	-	Machinery for making paper or paperboard
	8439.30	-	Machinery for finishing paper or paperboard
		-	Parts:
	8439.91		Of machinery for making pulp of fibrous cellulosic material
	8439.99		Other
84.40			Book-binding machinery, including book-sewing machines.
	8440.10	-	Machinery
	8440.90	-	Parts
84.41			Other machinery for making up paper pulp, paper or paperboard, including cutting machines of all kinds.
	8441.10	-	Cutting machines

	8441.20	-	Machines for making bags, sacks or envelopes
	8441.30	-	Machines for making cartons, boxes, cases, tubes, drums or similar containers, other than by moulding
	8441.40	-	Machines for moulding articles in paper pulp, paper or paperboard
	8441.80	-	Other machinery
	8441.90	-	Parts
84.42			Machinery, apparatus and equipment (other than the machine-tools of headings Nos. 84.56 to 84.65), for type-founding or type-setting, for preparing or making printing blocks, plates, cylinders or other printing components; printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished).
	8442.10	-	Phototype-setting and composing machines
	8442.20	-	Machinery, apparatus and equipment for type-setting or composing by other processes, with or without founding device
	8442.30	-	Other machinery, apparatus and equipment
	8442.40	-	Parts of the foregoing machinery, apparatus or equipment
	8442.50	-	Printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished)
84.43			Printing machinery, including ink-jet printing machines, other than those of heading No.84.71; machines for uses ancillary to printing.
		-	Offset printing machinery:
	8443.11		Reel fed
	8443.12		Sheet fed, office type (sheet size not exceeding 22 x 36 cm)
	8443.19		Other
		-	Letter press printing machinery, excluding flexographic printing:

	8443.21		Reel fed
	8443.29		Other
	8443.30	-	Flexographic printing machinery
	8443.40	-	Gravure printing machinery
		-	Other printing machinery:
	8443.51		Ink-jet printing machines:
	8443.59		Other:
	8443.60	-	Machines for uses ancillary to printing
	8443.90	-	Parts
84.44	8444.00		Machines for extruding, drawing, texturing or cutting man-made textile materials
84.49	8449.00		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.
84.51			Machinery (other than machines of heading No. 84.50) 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 manufacture of floor coverings such as unreeling,
	8451.10	-	Dry-cleaning machines
		-	Drying machines:
	8451.21		Each of a dry linen capacity not exceeding 10 kg
	8451.29		Other
	8451.30	-	Ironing machines and presses (including fusing presses)
	8451.40	-	Washing, bleaching or dyeing machines:
	8451.50	-	Machines for reeling, unreeling, folding, cutting or pinking textile fabrics
	8451.80	-	Other machinery:
	8451.90	-	Parts

### needles.

	8452.90	-	Other parts of sewing machines
84.53			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	-	Machinery for preparing, tanning or working hides, skins or leather
	8453.20	-	Machinery for making or repairing footwear
	8453.80	-	Other machinery
	8453.90	-	Parts
84.54			Converters, ladles, ingot moulds and casting machines, of a kind used in metallurgy or in metal foundries.
	8454.10	-	Converters
	8454.20	-	Ingot moulds and ladles
	8454.30	-	Casting machines
	8454.90	-	Parts
84.55			Metal-rolling mills and rolls therefor.
84.55	8455.10	-	
84.55	8455.10	- -	therefor.
84.55	8455.10 8455.21	-	therefor.  Tube mills
84.55		- - 	therefor.  Tube mills  Other rolling mills:  Hot or combination hot and
84.55	8455.21	- - 	therefor.  Tube mills  Other rolling mills:  Hot or combination hot and cold
84.55	8455.21 8455.22	- 	therefor.  Tube mills  Other rolling mills:  Hot or combination hot and cold  Cold
84.56	8455.21 8455.22 8455.30	- 	therefor.  Tube mills  Other rolling mills:  Hot or combination hot and cold  Cold  Rolls for rolling mills
	8455.21 8455.22 8455.30	- 	therefor.  Tube mills  Other rolling mills:  Hot or combination hot and cold  Cold  Rolls for rolling mills  Other parts  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,
	8455.21 8455.22 8455.30 8455.90	- 	therefor.  Tube mills  Other rolling mills:  Hot or combination hot and cold  Cold  Rolls for rolling mills  Other parts  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.  Operated by laser or other
	8455.21 8455.22 8455.30 8455.90	- 	therefor.  Tube mills  Other rolling mills:  Hot or combination hot and cold  Cold  Rolls for rolling mills  Other parts  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.  Operated by laser or other light or photon beam processes:

	8456.91		For dry-etching patterns on semiconductor materials
	8456.99		Other:
84.57			Machining centres, unit construction machines (single station) and multi-station transfer machines, for working metal.
	8457.10	-	Machining centres
	8457.20	-	Unit construction machines (single station)
	8457.30	-	Multi-station transfer machines
84.59			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 heading No. 84.58.
	8459.10	-	Way-type unit head machines
		-	Other drilling machines:
	8459.21		Numerically controlled
	8459.29		Other
		-	Other boring-milling machines:
	8459.31		Numerically controlled
	8459.39		Other
	8459.40	-	Other boring machines
		-	Milling machines, knee-type:
	8459.51		Numerically controlled
	8459.59		Other
		-	Other milling machines:
	8459.61		Numerically controlled
	8459.69		Other
	8459.70	-	Other threading or tapping machines
84.60		_	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 heading No. 84.61.  Flat-surface grinding machines,
			riac sarrace grinding macrimes,

			in which the positioning in any one axis can be set up to an accuracy of at least 0.01 mm:
	8460.11		Numerically controlled:
	8460.19		Other:
		-	Other grinding machines, in which the positioning in any one axis can be set up to an accuracy of at least 0.01 mm:
	8460.21		Numerically controlled:
	8460.29		Other:
		-	Sharpening (tool or cutter grinding) machines:
	8460.31		Numerically controlled
	8460.39		Other
	8460.40	-	Honing or lapping machines
	8460.90	-	Other:
84.61			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.
	8461.10	-	Planing machines
	8461.20	-	Shaping or slotting machines
	8461.30	-	Broaching machines
	8461.40	-	Gear cutting, gear grinding or gear finishing machines
	8461.50	-	Sawing or cutting-off machines
	8461.90	-	Other
84.62			Machine-tools (including presses) for working metal by forging, hammering or die-stamping; machine-tools (including presses) for working metal by bending, folding, straightening, flattening, shearing, punching or notching; presses for working metal or metal carbides, not specified above.
	8462.10	-	Forging or die-stamping machines (including presses) and hammers
		-	Bending, folding, straightening or flattening machines (including presses):
	8462.21		Numerically controlled

	8462.29		Other
		-	Shearing machines (including presses), other than combined punching and shearing machines:
	8462.31		Numerically controlled
	8462.39		Other
		-	Punching or notching machines (including presses), including combined punching and shearing machines:
	8462.41		Numerically controlled
	8462.49		Other
		-	Other:
	8462.91		Hydraulic presses:
	8462.99		Other:
84.63			Other machine-tools for working metal or cermets, without removing material.
	8463.10	-	Draw-benches for bars, tubes, profiles, wire or the like
	8463.20	-	Thread rolling machines
	8463.30	-	Machines for working wire
	8463.90	-	Other:
84.64	8463.90	-	Other:  Machine-tools for working stone, ceramics, concrete, asbestoscement or like mineral materials or for cold working glass.
84.64	8463.90 8464.10	-	Machine-tools for working stone, ceramics, concrete, asbestos- cement or like mineral materials
84.64		-	Machine-tools for working stone, ceramics, concrete, asbestoscement or like mineral materials or for cold working glass.
84.64	8464.10	- - -	Machine-tools for working stone, ceramics, concrete, asbestoscement or like mineral materials or for cold working glass.  Sawing machines:
84.64 84.65	8464.10 8464.20	-	Machine-tools for working stone, ceramics, concrete, asbestoscement or like mineral materials or for cold working glass.  Sawing machines:  Grinding or polishing machines:
	8464.10 8464.20	-	Machine-tools for working stone, ceramics, concrete, asbestoscement or like mineral materials or for cold working glass.  Sawing machines:  Grinding or polishing machines:  Other:  Machine-tools (including machines for nailing, stapling, glueing or otherwise assembling) for working wood, cork, bone, hard rubber, hard
	8464.10 8464.20 8464.90		Machine-tools for working stone, ceramics, concrete, asbestoscement or like mineral materials or for cold working glass.  Sawing machines:  Grinding or polishing machines:  Other:  Machine-tools (including machines for nailing, stapling, glueing or otherwise assembling) for working wood, cork, bone, hard rubber, hard plastics or similar hard materials.  Machines which can carry out different types of machining operations without tool change
	8464.10 8464.20 8464.90	- - - - -	Machine-tools for working stone, ceramics, concrete, asbestoscement or like mineral materials or for cold working glass.  Sawing machines:  Grinding or polishing machines:  Other:  Machine-tools (including machines for nailing, stapling, glueing or otherwise assembling) for working wood, cork, bone, hard rubber, hard plastics or similar hard materials.  Machines which can carry out different types of machining operations without tool change between such operations

	8465.93		Grinding, sanding or polishing machines
	8465.94		Bending or assembling machines
	8465.95		Drilling or morticing machines
	8465.96		Splitting, slicing or paring machines
	8465.99		Other
84.66			Parts and accessories suitable for use solely or principally with the machines of headings Nos. 84.56 to 84.65, 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.
	8466.10	-	Tool holders and self-opening dieheads:
	8466.20	-	Work holders:
	8466.30	-	Dividing heads and other special attachments for machine-tools:
		-	Other:
	8466.91		For machines of heading No. 84.64:
	8466.92		For machines of heading No. 84.65
	8466.93		For machines of headings Nos.84.56 to 84.61:
	8466.94		For machines of heading No. 84.62 or 84.63:
84.67			Tools for working in the hand, pneumatic, hydraulic or with self-contained non-electric motor.
		-	Pneumatic:
	8467.11		Rotary type (including combined rotary-percussion)
	8467.19		Other
		-	Other tools:
	8467.81		Chain saws
	8467.89		Other
		-	Parts:
	8467.91		Of chain saws
	8467.92		Of pneumatic tools
	8467.99		Other
84.68			Machinery and apparatus for soldering brazing or welding, whether or not

capable of cutting, other than those
of heading No.85.15; gas-operated surface
tempering machines and appliances.

	8468.10	-	Hand-held blow pipes:
	8468.20	-	Other gas-operated machinery and apparatus
	8468.80	-	Other machinery and apparatus:
	8468.90	-	Parts:
84.69			Typewriters other than printers of heading No. 84.71; word-processing machines.
		-	Automatic typewriters and word-processing machines:
	8469.11		Word-processing machines
	8469.12		Automatic typewriters
	8469.20	-	Other typewriters, electric
	8469.30	-	Other typewriters, non-electric
84.70			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	-	functions; accounting machines, postage-franking machines, ticket- issuing machines and similar machines, incorporating a calculating device;
	8470.10 8470.21	- -	functions; accounting machines, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device; cash registers.  Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions  Other electronic calculating
		-	functions; accounting machines, postage-franking machines, ticketissuing machines and similar machines, incorporating a calculating device; cash registers.  Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions  Other electronic calculating machines:
	8470.21	- - -	functions; accounting machines, postage-franking machines, ticketissuing machines and similar machines, incorporating a calculating device; cash registers.  Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions  Other electronic calculating machines:  Incorporating a printing device
	8470.21 8470.29	- - - - -	functions; accounting machines, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device; cash registers.  Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions  Other electronic calculating machines:  Incorporating a printing device  Other
	8470.21 8470.29 8470.30	- - - - - -	functions; accounting machines, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device; cash registers.  Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions  Other electronic calculating machines:  Incorporating a printing device  Other  Other calculating machines
	8470.21 8470.29 8470.30 8470.40	- - - - - - -	functions; accounting machines, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device; cash registers.  Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions  Other electronic calculating machines:  Incorporating a printing device  Other  Other calculating machines  Accounting machines

84.72

Other office machines (for example, hectograph or stencil duplicating machines, addressing machines, automatic banknote dispensers, coinsorting machines, coin-counting or wrapping machines, pencil sharpening machines, perforating or stapling

# machines).

			•
	8472.10	-	Duplicating machines
	8472.20	-	Addressing machines and address plate embossing machines
	8472.30	-	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 canceling postage stamps
	8472.90	-	Other
84.73			Parts and accessories (other than covers, carrying cases and the like) suitable for use solely or principally with machines of headings Nos. 84.69 to 84.72.
	8473.10	-	Parts and accessories of the machines of heading No. 84.69
		-	Parts and accessories of the machines of heading No. 84.70:
	8473.21		Of the electronic calculating machines of subheading No. 8470.10, 8470.21 or 8470.29
	8473.29		Other
	8473.30	-	Parts and accessories of the machines of heading No. 84.71
	8473.40	-	Parts and accessories of the machines of heading No. 84.72
	8473.50	-	Parts and accessories equally suitable for use with machines of two or more of the headings Nos. 84.69 to 84.72
84.74			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	-	Sorting, screening, separating or washing machines
	8474.20	-	Crushing or grinding machines:
		-	Mixing or kneading machines:

	8474.31		Concrete or mortar mixers
	8474.32		Machines for mixing mineral substances with bitumen:
	8474.39		Other
	8474.80	-	Other machinery:
	8474.90	-	Parts
84.75			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	-	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:
	8475.21		Machines for making optical fibers and preforms thereof
	8475.29		Other
	8475.90	-	Parts
84.77			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	-	Injection-moulding machines
	8477.20	-	Extruders
	8477.30	-	Blow moulding machines
	8477.40	-	Vacuum moulding machines and other thermoforming machines
		-	Other machinery for moulding or otherwise forming:
	8477.51		For moulding or retreading pneumatic tyres or for moulding or otherwise forming inner tubes
	8477.59		Other
	8477.80	-	Other machinery
	8477.90	-	Parts
84.78			Machinery for preparing or making up tobacco, not specified or included elsewhere in this Chapter.
	8478.10	-	Machinery
	8478.90	-	Parts

84.79			Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter.
	8479.10	-	Machinery for public works, building or the like
	8479.30	-	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
	8479.40	-	Rope or cable-making machines
	8479.50	-	Industrial robots, not elsewhere specified or included
	8479.60	-	Evaporative air coolers
		-	Other machines and mechanical appliances:
	8479.81		For treating metal, including electric wire coil-winders
	8479.82		Mixing, kneading, crushing, grinding, screening, sifting, homogenising, emulsifying or stirring machines
	8479.89		Other:
	8479.90	-	Parts
84.80			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	-	Moulding boxes for metal foundry
	8480.20	-	Mould bases
	8480.30	-	Moulding patterns
		-	Moulds for metal or metal carbides:
	8480.41		Injection or compression types
	8480.49		Other
	8480.50	-	Moulds for glass
	8480.60	-	Moulds for mineral materials
		-	Moulds for rubber or plastics:
84.82			Ball or roller bearings.
	8482.10	-	Ball bearings
	8482.20	-	Tapered roller bearings

				including cone and tapered roller assemblies
		8482.30	-	Spherical roller bearings
		8482.40	-	Needle roller bearings
		8482.50	-	Other cylindrical roller bearings
		8482.80	-	Other, including combined ball/roller bearings
			-	Parts:
		8482.91		Balls, needles and rollers
		8482.99		Other
;	84.83			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
		8483.20	-	Bearing housings, incorporating ball or roller bearings
		8483.30	-	Bearing housings, not incorporating ball or roller bearings; plain shaft bearings
		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
		8483.50	-	Flywheels and pulleys, including pulley blocks
		8483.60	-	Clutches and shaft couplings (including universal joints)
		8483.90	-	Parts
	84.84			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

8484.20 Mechanical seals

8484.90 Other

84.85 Machinery parts, not containing

electrical connectors, insulators, coils, contacts or other electrical features, not specified or included elsewhere in this Chapter.

8485.10 Ships' or boats propellers and

blades thereof

8485.90 Other

#### 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

85.02	Electric generating sets and rotary
	converteur

converters.

Generating sets with compressionignition internal combustion piston engines (diesel or semidiesel engines):

8502.11 Of an output not exceeding

75 kVA

Of an output exceeding 75 kVA 8502.12

but not exceeding 375 kVA

8502.13 Of an output exceeding 375 kVA

8502.20 Generating sets with spark-

ignition internal combustion

piston engines

Other generating sets:

8502.31 Wind-powered

8502.39 Other

8502.40 Electric rotary converters

85.05 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.

Permanent magnets and articles intended to become permanent magnets after magnetisation:

	8505.11		Of metal
	8505.19		Other
	8505.20	-	Electro-magnetic couplings, clutches and brakes
	8505.30	-	Electro-magnetic lifting heads
	8505.90	-	Other, including parts
85.08			Electro-mechanical tools for working in the hand, with self-contained electric motor.
	8508.10	-	Drills of all kinds
	8508.20	-	Saws
	8508.80	-	Other tools
	8508.90	-	Parts
85.09			Electro-mechanical domestic appliances, with self-contained electric motor.
	8509.10	-	Vacuum cleaners
	8509.20	-	Floor polishers
	8509.30	-	Kitchen waste disposers
	8509.40	-	Food grinders and mixers; fruit or vegetable juice extractors
	8509.80	-	Other appliances
	8509.90	-	Parts
85.10			Shavers, hair clippers and hair-removing appliances, with self-contained electric motor.
	8510.10	-	Shavers
	8510.20	-	Hair clippers
	8510.30	-	Hair-removing appliances
	8510.90	-	Parts
85.11			Electrical ignition or starting equipment of a kind used for sparkignition 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	-	Sparking plugs
	8511.20	-	Ignition magnetos; magneto-

			dynamos; magnetic flywheels
	8511.30	-	Distributors; ignition coils
	8511.40	-	Starter motors and dual purpose starter-generators
	8511.50	-	Other generators
	8511.80	-	Other equipment
	8511.90	-	Parts
85.12			Electrical lighting or signalling equipment (excluding articles of heading No. 85.39), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles.
	8512.10	-	Lighting or visual signalling equipment of a kind used on bicycles
	8512.20	-	Other lighting or visual signalling equipment
	8512.30	-	Sound signalling equipment
	8512.40	-	Windscreen wipers, defrosters and demisters
	8512.90	-	Parts
85.13			Portable electric lamps designed to function by their own source of energy (for example, dry batteries, accumulators, magnetos), other than lighting equipment of heading No. 85.12.
	8513.10	-	Lamps
	8513.90	-	Parts
85.14			Industrial or laboratory electric (including induction or dielectric) furnaces and ovens; other industrial or laboratory induction or dielectric heating equipment.
	8514.10	-	Resistance heated furnaces and ovens
	8514.20	-	Induction or dielectric furnaces and ovens
	8514.30	-	Other furnaces and ovens
	8514.40	-	Other induction or dielectric heating equipment
	8514.90	-	Parts
85.15			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.

	-	Brazing or soldering machines and apparatus:
8515.11		Soldering irons and guns
8515.19		Other
	-	Machines and apparatus for resistance welding of metal:
8515.21		Fully or partly automatic
8515.29		Other
	-	Machines and apparatus for arc (including plasma arc) welding of metals:
8515.31		Fully or partly automatic
8515.39		Other
8515.80	-	Other machines and apparatus
8515.90	-	Parts
		Electrical capacitors, fixed, variable or adjustable (pre-set).
8532.10	-	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)
	-	Other fixed capacitors:
8532.21		Tantalum
8532.22		Aluminium electrolytic
8532.23		Ceramic dielectric, single layer
8532.24		Ceramic dielectric, multilayer
8532.25		Dielectric of paper or plastics
8532.29		Other
8532.30	-	Variable or adjustable (pre-set) capacitors
8532.90	-	Parts
		Thermionic, cold cathode or photo

85.32

85.40

Thermionic, cold cathode or photocathode 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).

 Cathode-ray television picture tubes, including video monitor cathode-ray tubes:

8540.11 -- Colour

8540.12 -- Black and white or other monochrome

8540.20 - Television camera tubes; image converters and intensifiers; other

photo-cathode tubes

8540.40 - Data/graphic display tubes, colour,

with a phosphor dot screen pitch smaller

than 0.4 mm

8540.50 - Data/graphic display tubes, black

and white or other monochrome

8540.60 - Other cathode-ray tubes

 Microwave tubes (for example, magnetrons, klystrons, travelling wave tubes, carcinotrons), excluding grid-controlled tubes:

8540.71 -- Magnetrons

8540.72 -- Klystrons

8540.79 -- Other

Other valves and tubes:

8540.81 -- Receiver or amplifier valves

and tubes

8540.89 -- Other

Parts:

8540.91 -- Of cathode-ray tubes

8540.99 -- Other

## 85.41

Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes; mounted piezo-electric crystals.

8541.10 - Diodes, other than photosensitive or light emitting diodes

Transistors, other than photosensitive transistors:

8541.21 -- With a dissipation rate of less

than 1 W

8541.29 -- Other

	8541.30	-	Thyristors, diacs and triacs, other than photosensitive devices
	8541.40	=	Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes
	8541.50	-	Other semiconductor devices
	8541.60	-	Mounted piezo-electric crystals
	8541.90	-	Parts
85.43			Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this Chapter.
		-	Particle accelerators:
	8543.11		Ion implanters for doping semiconductor materials
	8543.19		Other
	8543.20	-	Signal generators
	8543.30	-	Machines and apparatus for electroplating, electrolysis or electrophoresis
	8543.40	-	Electric fence energisers
		-	Other machines and apparatus:
	8543.81		Proximity cards and tags
	8543.89		Other
	8543.90	-	Parts

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