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Annex II - Part 9/22

ANNEX

Annex I-A to Title IV of the Association Agreement between the European Union and its Member States, of the one part, and Ukraine of the other part

ANNEX II (PART 9)

to the

PROPOSAL FOR A COUNCIL DECISION

on the conclusion of the Association Agreement between the European Union and its Member States, of the one part, and Ukraine, of the other part, on behalf of the European Union

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Tariff schedules of Ukraine

CN 2008	DESCRIPTION	Base rate	Staging category
8408	Compression-ignition internal combustion piston engines (diesel or semi-diesel engines):		
8408 10	- Marine propulsion engines:		
	-- Used:		
8408 10 11 00	--- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 19 00	--- Other	5	0
	-- New, of a power:		
	--- Not exceeding 15 kW:		
8408 10 22 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 24 00	---- Other	5	0
	--- Exceeding 15 kW but not exceeding 50 kW:		

8408 10 26 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 28 00	---- Other	5	0
	--- Exceeding 50 kW but not exceeding 100 kW:		
8408 10 31 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 39 00	---- Other	5	0
	--- Exceeding 100 kW but not exceeding 200 kW:		
8408 10 41 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 49 00	---- Other	5	0
	--- Exceeding 200 kW but not exceeding 300 kW:		
8408 10 51 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 59 00	---- Other	5	0
	--- Exceeding 300 kW but not exceeding 500 kW:		
8408 10 61 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 69 00	---- Other	5	0
	--- Exceeding 500 kW but not exceeding 1 000 kW:		
8408 10 71 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 79 00	---- Other	5	0
	--- Exceeding 1 000 kW but not exceeding 5 000 kW:		
8408 10 81 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 89 00	---- Other	5	0
	--- Exceeding 5 000 kW:		
8408 10 91 00	---- For seagoing vessels of headings 8901 to 8906, tugs of subheading 8904 00 10 00 and warships of subheading 8906 10 00 00	5	0
8408 10 99 00	---- Other	5	0

8408 20	- Engines of a kind used for the propulsion of vehicles of Chapter 87:		
8408 20 10 00	-- For the industrial assembly of: pedestrian-controlled tractors of subheading 8701 10; motor vehicles of heading 8703; motor vehicles of heading 8704 with an engine of a cylinder capacity of less than 2 500 cm ³ ; motor vehicles of heading 8705:	0	0
	-- Other:		
	--- For wheeled agricultural or forestry tractors, of a power:		
8408 20 31 00	---- Not exceeding 50 kW	5	5
8408 20 35 00	---- Exceeding 50 kW but not exceeding 100 kW	5	5
8408 20 37 00	---- Exceeding 100 kW	5	5
	--- For other vehicles of Chapter 87, of a power:		
8408 20 51 00	---- Not exceeding 50 kW	5	0
8408 20 55	---- Exceeding 50 kW but not exceeding 100 kW:		
8408 20 55 10	----- For the industrial assembly	0	0
8408 20 55 90	----- Other	5	0
8408 20 57	---- Exceeding 100 kW but not exceeding 200 kW:		
8408 20 57 10	----- For the industrial assembly	0	0
8408 20 57 90	----- Other	5	0
8408 20 99	---- Exceeding 200 kW:		
8408 20 99 10	----- For the industrial assembly	2	0
8408 20 99 90	----- Other	5	0
8408 90	- Other engines:		
8408 90 21 00	-- For rail traction	5	0
	-- Other:		
8408 90 27 00	--- Used	2	0
	--- New, of a power:		
8408 90 41 00	---- Not exceeding 15 kW	5	0
8408 90 43 00	---- Exceeding 15 kW but not exceeding 30 kW	5	0
8408 90 45 00	---- Exceeding 30 kW but not exceeding 50 kW	5	0

8408 90 47 00	---- Exceeding 50 kW but not exceeding 100 kW	5	0
8408 90 61 00	---- Exceeding 100 kW but not exceeding 200 kW	5	0
8408 90 65 00	---- Exceeding 200 kW but not exceeding 300 kW	5	0
8408 90 67 00	---- Exceeding 300 kW but not exceeding 500 kW	5	0
8408 90 81 00	---- Exceeding 500 kW but not exceeding 1 000 kW	5	0
8408 90 85	---- Exceeding 1 000 kW but not exceeding 5 000 kW:		
8408 90 85 10	----- For use in civil aircraft	0.4	0
8408 90 85 90	----- Other	5	0
8408 90 89	---- Exceeding 5 000 kW:		
8408 90 89 10	----- For use in civil aircraft	0.4	0
8408 90 89 90	----- Other	5	0
8409	Parts suitable for use solely or principally with the engines of heading 8407 or 8408:		
8409 10 00 00	- For aircraft engines:	0	0
	- Other:		
8409 91 00 00	-- Suitable for use solely or principally with spark-ignition internal combustion piston engines	0	0
8409 99 00 00	-- Other	0	0
8410	Hydraulic turbines, water wheels, and regulators therefor:		
	- Hydraulic turbines and water wheels:		
8410 11 00 00	-- Of a power not exceeding 1 000 kW	5	0
8410 12 00 00	-- Of a power exceeding 1 000 kW but not exceeding 10 000 kW	5	0
8410 13 00 00	-- Of a power exceeding 10 000 kW	5	0
8410 90	- Parts, including regulators:		
8410 90 10 00	-- Of cast iron or cast steel	5	0
8410 90 90 00	-- Other	5	0
8411	Turbo jets, turbo propellers and other gas turbines:		
	- Turbo-jets:		
8411 11 00 00	-- Of a thrust not exceeding 25 kN	0	0

8411 12	-- Of a thrust exceeding 25 kN:		
8411 12 10 00	--- Of a thrust exceeding 25 kN but not exceeding 44 kN	0	0
8411 12 30 00	--- Of a thrust exceeding 44 kN but not exceeding 132 kN	0	0
8411 12 80 00	--- Of a thrust exceeding 132 kN	0	0
	- Turbo propellers:		
8411 21 00 00	-- Of a power not exceeding 1 100 kW	0	0
8411 22	-- Of a power exceeding 1 100 kW:		
8411 22 20 00	--- Of a power exceeding 1 100 kW but not exceeding 3 730 kW	0	0
8411 22 80 00	--- Of a power exceeding 3 730 kW	0	0
	- Other gas turbines:		
8411 81 00 00	-- Of a power not exceeding 5 000 kW	0	0
8411 82	-- Of a power exceeding 5 000 kW:		
8411 82 20 00	--- Of a power exceeding 5 000 kW but not exceeding 20 000 kW	0	0
8411 82 60 00	--- Of a power exceeding 20 000 kW but not exceeding 50 000 kW	0	0
8411 82 80 00	--- Of a power exceeding 50 000 kW	0	0
	- Parts:		
8411 91 00 00	-- Of turbo-jets or turbo-propellers	0	0
8411 99 00 00	-- Other	0	0
8412	Other engines and motors:		
8412 10 00	- Reaction engines other than turbo-jets:		
8412 10 00 10	-- For use in civil aircraft	0.5	0
8412 10 00 90	-- Other	2	0
	- Hydraulic power engines and motors:		
8412 21	-- Linear acting (cylinders):		
8412 21 20 00	--- Hydraulic systems	1	0
8412 21 80	--- Other:		
8412 21 80 10	---- For use in civil aircraft	0.5	0
8412 21 80 90	---- Other	5	0

8412 29	-- Other:		
8412 29 20 00	--- Hydraulic systems	5	0
	--- Other:		
8412 29 81 00	---- Hydraulic fluid power motors	5	0
8412 29 89	---- Other:		
8412 29 89 10	----- For use in civil aircraft	0.5	0
8412 29 89 90	----- Other	5	0
	- Pneumatic power engines and motors:		
8412 31 00	-- Linear acting (cylinders):		
8412 31 00 10	--- For the industrial assembly of motor vehicles	2	0
	--- Other:		
8412 31 00 91	---- For use in civil aircraft	0.5	0
8412 31 00 98	---- Other	5	0
8412 39 00	-- Other:		
8412 39 00 10	--- For use in civil aircraft	0.5	0
8412 39 00 90	--- Other	5	0
8412 80	- Other:		
8412 80 10 00	-- Steam or other vapour power engines	0.5	0
8412 80 80	-- Other:		
8412 80 80 10	--- For use in civil aircraft	0.5	0
8412 80 80 90	--- Other	5	0
8412 90	- Parts:		
8412 90 20	-- Of reaction engines other than turbo-jets:		
8412 90 20 10	--- For use in civil aircraft	0.5	0
8412 90 20 90	--- Other	5	0
8412 90 40 00	-- Of hydraulic power engines and motors	5	0
8412 90 80	-- Other:		
8412 90 80 10	--- For use in civil aircraft	0.5	0

8412 90 80 90	--- Other	5	0
8413	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 00 00	-- Pumps for dispensing fuel or lubricants, of the type used in filling-stations or in garages	0	0
8413 19 00 00	-- Other	0	0
8413 20 00 00	- Hand pumps, other than those of subheading 8413 11 or 8413 19	0	0
8413 30	- Fuel, lubricating or cooling medium pumps for internal combustion piston engines:		
8413 30 20 00	-- Injection pumps	0	0
8413 30 80 00	-- Other	0	0
8413 40 00 00	- Concrete pumps	0	0
8413 50	- Other reciprocating positive displacement pumps:		
8413 50 20 00	-- For use in civil aircraft	0	0
8413 50 40 00	-- Other	0	0
	-- Other:		
	--- Piston pumps:		
8413 50 61 00	---- Hydraulic fluid power	0	0
8413 50 69 00	---- Other	0	0
8413 50 80 00	--- Other	0	0
8413 60	- Other rotary positive displacement pumps:		
8413 60 20 00	-- Hydraulic units	0	0
	-- Other:		
	--- Gear pumps:		
8413 60 31 00	---- Hydraulic fluid power	0	0
8413 60 39 00	---- Other	0	0
	--- Vane pumps:		
8413 60 61 00	---- Hydraulic fluid power	0	0

8413 60 69 00	---- Other	0	0
8413 60 70 00	--- Screw pumps	0	0
8413 60 80 00	--- Other	0	0
8413 70	- Other centrifugal pumps:		
	-- Submersible pumps:		
8413 70 21 00	--- Single-stage	0	0
8413 70 29 00	--- Multi-stage	0	0
8413 70 30 00	-- Glandless impeller pumps for heating systems and warm water supply	0	0
	-- Other, with a discharge outlet diameter:		
8413 70 35 00	--- Not exceeding 15 mm	0	0
	--- Exceeding 15 mm:		
8413 70 45 00	---- Channel impeller pumps and side channel pumps	0	0
	---- Radial flow pumps:		
	----- Single-stage:		
	----- With single entry impeller:		
8413 70 51 00	----- Monobloc	0	0
8413 70 59 00	----- Other	0	0
8413 70 65 00	----- With more than one entry impeller	0	0
8413 70 75 00	----- Multi-stage	0	0
	---- Other centrifugal pumps:		
8413 70 81 00	----- Single-stage	0	0
8413 70 89 00	----- Multi-stage	0	0
	- Other pumps; liquid elevators:		
8413 81 00 00	-- Pumps	0	0
8413 82 00 00	-- Liquid elevators	0	0
	- Parts:		
8413 91 00	-- Of pumps:		
8413 91 00 10	--- Of pumping units of a carrying capacity 3.2-12.5 tonnes	10	3

8413 91 00 90	--- Other	0	0
8413 92 00 00	-- Of liquid elevators	0	0
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:		
8414 10	- Vacuum pumps:		
8414 10 20 00	-- For use in semiconductor production	5	0
	-- Other:		
8414 10 25 00	--- Rotary piston pumps, sliding vane rotary pumps, molecular drag pumps and Roots pumps	2	0
	--- Other:		
8414 10 81 00	---- Diffusion pumps, cryopumps and adsorption pumps	2	0
8414 10 89	---- Other:		
8414 10 89 10	----- For use in civil aircraft	0.5	0
8414 10 89 90	----- Other	2	0
8414 20	- Hand- or foot-operated air pumps:		
8414 20 20 00	-- Hand pumps for cycles	5	0
8414 20 80	-- Other:		
8414 20 80 10	--- For use in civil aircraft	0.5	0
8414 20 80 90	--- Other	5	0
8414 30	- Compressors of a kind used in refrigerating equipment:		
8414 30 20	-- Of a power not exceeding 0,4 kW:		
8414 30 20 10	--- For use in civil aircraft	0.5	0
8414 30 20 90	--- Other	5	0
	-- Of a power exceeding 0,4 kW:		
8414 30 81	--- Hermetic or semi-hermetic:		
8414 30 81 10	---- For use in civil aircraft	0.5	0
8414 30 81 90	---- Other	5	0
8414 30 89	--- Other:		
8414 30 89 10	---- For use in civil aircraft	0.5	0

8414 30 89 90	---- Other	5	0
8414 40	- Air compressors mounted on a wheeled chassis for towing:		
8414 40 10 00	-- Giving a flow per minute not exceeding 2 m ³	5	0
8414 40 90 00	-- Giving a flow per minute exceeding 2 m ³	5	0
	- Fans:		
8414 51 00	-- Table, floor, wall, window, ceiling or roof fans, with a self-contained electric motor of an output not exceeding 125W:		
8414 51 00 10	--- For use in civil aircraft	0.5	0
8414 51 00 90	--- Other	5	0
8414 59	-- Other:		
8414 59 20	--- Axial fans:		
8414 59 20 10	---- For the industrial assembly of motor vehicles	0	0
	---- Other:		
8414 59 20 91	----- For use in civil aircraft	0.5	0
8414 59 20 98	----- Other	2	0
8414 59 40	--- Centrifugal fans:		
8414 59 40 10	---- For use in civil aircraft	0.5	0
8414 59 40 90	---- Other	2	0
8414 59 80	--- Other:		
8414 59 80 10	---- For use in civil aircraft	0.5	0
8414 59 80 90	---- Other	2	0
8414 60 00 00	- Hoods having a maximum horizontal side not exceeding 120 cm	5	0
8414 80	- Other:		
	-- Turbo-compressors:		
8414 80 11	--- Single-stage		
8414 80 11 10	---- For use in civil aircraft	0	0
8414 80 11 90	---- Other	3	0
8414 80 19	--- Multi-stage:		

8414 80 19 10	---- For use in civil aircraft	0	0
8414 80 19 90	---- Other	1	0
	-- Reciprocating displacement compressors, having a gauge pressure capacity of:		
	--- Not exceeding 15 bar, giving a flow per hour:		
8414 80 22	---- Not exceeding 60 m ³ :		
8414 80 22 10	----- For the industrial assembly of motor vehicles	0	0
	----- Other:		
8414 80 22 91	----- For use in civil aircraft	0	0
8414 80 22 98	----- Other	1	0
8414 80 28	---- Exceeding 60 m ³ :		
8414 80 28 10	----- For use in civil aircraft	0	0
8414 80 28 90	----- Other	1	0
	--- Exceeding 15 bar, giving a flow per hour:		
8414 80 51 00	---- Not exceeding 120 m ³ :	1	0
8414 80 59 00	---- Exceeding 120 m ³	1	0
	-- Rotary displacement compressors:		
8414 80 73	--- Single-shaft:		
8414 80 73 10	---- For the industrial assembly of motor vehicles	0	0
	---- Other:		
8414 80 73 91	----- For use in civil aircraft	0	0
8414 80 73 98	----- Other	2	0
	--- Multi-shaft:		
8414 80 75 00	---- Screw compressors	2	0
8414 80 78 00	---- Other	2	0
8414 80 80 00	-- Other	2	0
8414 90 00 00	- Parts	0	0

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	- Window or wall types, self-contained or 'split-system':		
8415 10 10 00	-- Self-contained	0.5	0
8415 10 90 00	-- Split-system	0.5	0
8415 20 00	- Of a kind used for persons, in motor vehicles:		
8415 20 00 10	-- For the industrial assembly of motor vehicles	0	0
8415 20 00 90	-- Other	5	0
	- Other:		
8415 81 00	-- Incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps):		
8415 81 00 10	--- Industrial self-contained air-conditioner with capacity exceeding 5 kW, but not exceeding 50 kW	10	3
8415 81 00 30	--- For use in civil aircraft	0.5	0
8415 81 00 90	--- Other	2	0
8415 82 00	-- Other, incorporating a refrigerating unit:		
8415 82 00 10	--- Industrial self-contained air-conditioner with capacity exceeding 5 kW, but not exceeding 50 kW	10	3
8415 82 00 30	--- For use in civil aircraft	0.5	0
8415 82 00 90	--- Other	5	0
8415 83 00	-- Not incorporating a refrigerating unit:		
8415 83 00 10	--- For use in civil aircraft	0	0
8415 83 00 90	--- Other	3	0
8415 90 00 00	- Parts	0	0
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	- Furnace burners for liquid fuel:		
8416 10 10 00	-- Incorporating an automatic control device	5	0

8416 10 90 00	-- Other	5	0
8416 20	- Other furnace burners, including combination burners:		
8416 20 10 00	-- Only for gas, monobloc, incorporating a ventilator and a control device	5	0
8416 20 90 00	-- Other	5	0
8416 30 00 00	- Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances	0	0
8416 90 00 00	- Parts	5	0
8417	Industrial or laboratory furnaces and ovens, including incinerators, non-electric:		
8417 10 00 00	- Furnaces and ovens for the roasting, melting or other heat-treatment of ores, pyrites orofmetals	5	0
8417 20	- Bakery ovens, including biscuit ovens:		
8417 20 10 00	-- Tunnel ovens	2	5
8417 20 90 00	-- Other	2	5
8417 80	- Other:		
8417 80 10 00	-- Furnaces and ovens for the incineration of rubbish	2	0
8417 80 20 00	-- Tunnel ovens and muffle furnaces for firing ceramic products	0	0
8417 80 80 00	-- Other	2	0
8417 90 00	- Parts:		
8417 90 00 10	-- Of looped tubular recuperators with a productivity of 2 800 -19 000 m ³ per hour	10	3
8417 90 00 90	-- Other	2	0
8418	Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps other than air-conditioning machines of heading 8415:		
8418 10	- Combined refrigerator-freezers, fitted with separate external doors:		
8418 10 20	-- Of a capacity exceeding 340 litres:		
8418 10 20 10	--- Domestic	5	0
	--- Other:		
8418 10 20 91	---- For use in civil aircraft	0.5	0
8418 10 20 98	---- Other	5	0

8418 10 80	-- Other:		
8418 10 80 10	--- Domestic	5	0
	--- Other:		
8418 10 80 91	---- For use in civil aircraft	0.5	0
8418 10 80 98	---- Other	5	0
	- Refrigerators, household type:		
8418 21	-- Compression-type:		
8418 21 10 00	--- Of a capacity exceeding 340 litres	10	3
	--- Other:		
8418 21 51 00	---- Table model	5	0
8418 21 59 00	---- Building-in type	5	0
	---- Other, of a capacity:		
8418 21 91 00	----- Not exceeding 250 litres	10	3
8418 21 99 00	----- Exceeding 250 litres but not exceeding 340 litres	7	3
8418 29 00 00	-- Other	5	0
8418 30	- Freezers of the chest type, not exceeding 800 litres capacity:		
8418 30 20	-- Of a capacity not exceeding 400 litres		
8418 30 20 10	--- For use in civil aircraft	0.5	0
8418 30 20 90	--- Other	5	0
8418 30 80	-- Of a capacity exceeding 400 litres but not exceeding 800 litres:		
8418 30 80 10	--- For use in civil aircraft	0.5	0
8418 30 80 90	--- Other	5	0
8418 40	- Freezers of the upright type, not exceeding 900 litres capacity:		
8418 40 20 00	-- Of a capacity not exceeding 250 litres	0	0
8418 40 80 00	-- Of a capacity exceeding 250 litres but not exceeding 900 litres	2.5	0
8418 50	- Other refrigerating or freezing chests, cabinets, display counters, showcases and similar refrigerating or freezing furniture:		
	-- Refrigerated showcases and counters (incorporating a refrigerating unit or evaporator):		

8418 50 11 00	--- For frozen food storage	5	0
8418 50 19 00	--- Other	5	0
	-- Other refrigerating furniture:		
8418 50 91 00	--- For deep-freezing, other than that of subheadings 8418 30 and 8418 40	5	0
8418 50 99 00	--- Other	5	0
	- Other refrigerating or freezing equipment; heat pumps:		
8418 61 00 00	-- Heat pumps, excluding air-conditioning machines of subheading 8415	5	0
8418 69 00	-- Other:		
8418 69 00 10	--- For use in civil aircraft	0	0
8418 69 00 90	--- Other	3	0
	- Parts:		
8418 91 00 00	-- Furniture designed to receive refrigerating or freezing equipment	6	0
8418 99	-- Other:		
8418 99 10 00	--- Evaporators and condensers, excluding those for refrigerators of the household type	6	0
8418 99 90	--- Other:		
8418 99 90 10	---- Parts of refrigerating and freezing equipment for domestic refrigerators and freezers	5	0
8418 99 90 90	---- Other	6	0
8419	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 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, vapourising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes; instantaneous or storage water heaters, non-electric:		
	- Instantaneous or storage water heaters, non-electric:		
8419 11 00 00	-- Instantaneous gas water heaters	2	0
8419 19 00 00	-- Other	5	0
8419 20 00 00	- Medical, surgical or laboratory sterilisers	0	0

	- Dryers:		
8419 31 00 00	-- For agricultural products	0	0
8419 32 00 00	-- For wood, paper pulp, paper or paperboard	0	0
8419 39	-- Other:		
8419 39 10 00	--- For ceramic articles	2	0
8419 39 90 00	--- Other	0	0
8419 40 00 00	- Distilling or rectifying plant	0	0
8419 50 00 00	- Heat exchange units	0	0
8419 60 00 00	- Machinery for liquefying air or other gases	2	0
	- Other machinery, plant and equipment:		
8419 81	-- For making hot drinks or for cooking or heating food:		
8419 81 20	--- Percolators and other appliances for making coffee and other hot drinks:		
8419 81 20 10	---- For use in civil aircraft	0	0
8419 81 20 90	---- Other	3	0
8419 81 80	--- Other:		
8419 81 80 10	---- For use in civil aircraft	0	0
8419 81 80 90	---- Other	3	0
8419 89	-- Other:		
8419 89 10 00	--- Cooling towers and similar plant for direct cooling (without a separating wall) by means of recirculated water	0	0
8419 89 30 00	--- Vacuum-vapour plant for the deposition of metal	2	0
8419 89 98 00	--- Other	0	0
8419 90	- Parts:		
8419 90 15 00	-- Of sterilisers of subheading 8419 20 00 00	0	0
8419 90 85 00	-- Other	0	0
8420	Calendering or other rolling machines, other than for metals or glass, and cylinders therefor:		
8420 10	- Calendering or other rolling machines:		
8420 10 10 00	-- Of a kind used in the textile industry	5	0

8420 10 30 00	-- Of a kind used in the paper industry	5	0
8420 10 50 00	-- Of a kind used in the rubber or plastics industries	5	0
8420 10 90 00	-- Other	0	0
	- Parts:		
8420 91	-- Cylinders:		
8420 91 10 00	--- Of cast iron	5	0
8420 91 80 00	--- Other	5	0
8420 99 00 00	-- Other	0	0
8421	Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases:		
	- Centrifuges, including centrifugal dryers:		
8421 11 00 00	-- Cream separators	10	5
8421 12 00 00	-- Clothes dryers	5	0
8421 19	-- Other:		
8421 19 20 00	--- Centrifuges of a kind used in laboratories	2	0
8421 19 70	--- Other:		
8421 19 70 10	---- For use in civil aircraft	0.5	0
8421 19 70 90	---- Other	0	0
	- Filtering or purifying machinery and apparatus for liquids:		
8421 21 00 00	-- For filtering or purifying water	0	0
8421 22 00 00	-- For filtering or purifying beverages other than water		
8421 23 00	-- Oil or petrol filters for internal combustion engines:		
8421 23 00 10	--- For the industrial assembly of motor vehicles	0	0
8421 23 00 30	--- For use in civil aircraft	0.5	0
8421 23 00 90	--- Other	2	0
8421 29 00 00	-- Other	0	0
	- Filtering or purifying machinery and apparatus for gases:		
8421 31 00 00	-- Intake air filters for internal combustion engines:	0	0

8421 39	-- Other:		
8421 39 20 00	--- Machinery and apparatus for filtering or purifying air	0	0
	--- Machinery and apparatus for filtering or purifying other gases:		
8421 39 40 00	---- By a liquid process	2	0
8421 39 60	---- By a catalytic process:		
8421 39 60 10	----- For the industrial assembly of motor vehicles	0	0
8421 39 60 90	----- Other	2	0
8421 39 90 00	---- Other	0.5	0
	- Parts:		
8421 91 00 00	-- Of centrifuges, including centrifugal dryers:	0	0
8421 99 00 00	-- Other	0	0
8422	Dishwashing 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:		
	- Dishwashing machines:		
8422 11 00 00	-- Of the household type	5	0
8422 19 00 00	-- Other	5	0
8422 20 00 00	- Machinery for cleaning or drying bottles or other containers	5	5
8422 30 00	- 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 00 10	-- Machinery for filling bottles; machinery for capsuling bottles or to attach a label, using in food industry, with production not exceeding 12 000 bottles per hour	5	5
	-- Other:		
8422 30 00 91	--- Machinery for closing glass bottles with metal twist-off covers, using in food industry, with production not exceeding 9 600 bottles per hour	2	5
8422 30 00 99	--- Other	2	0

8422 40 00	- Other packing or wrapping machinery (including heat-shrink wrapping machinery):		
8422 40 00 10	-- Packing or wrapping machinery (including heat-shrink wrapping machinery), using in food industry, with production not exceeding 12 000 bottles per hour	5	5
8422 40 00 90	-- Other	0	0
8422 90	- Parts:		
8422 90 10 00	-- Of dishwashing machines	2	0
8422 90 90 00	-- Other	0	0
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	- Personal weighing machines, including baby scales; household scales:		
8423 10 10 00	-- Household scales	5	0
8423 10 90 00	-- Other	5	0
8423 20 00 00	- Scales for continuous weighing of goods on conveyors	5	0
8423 30 00 00	- Constant weight scales and scales for discharging a predetermined weight of material into a bag or container, including hopper scales	5	0
	- Other weighing machinery:		
8423 81	-- Having a maximum weighing capacity not exceeding 30 kg:		
8423 81 10 00	--- Check weighers and automatic control machines operating by reference to a predetermined weight	5	0
8423 81 30 00	--- Machinery for weighing and labelling pre-packaged goods	5	0
8423 81 50 00	--- Shop scales	5	0
8423 81 90 00	--- Other	5	0
8423 82	-- Having a maximum weighing capacity exceeding 30 kg but not exceeding 5 000 kg:		
8423 82 10 00	--- Check weighers and automatic control machines operating by reference to a predetermined weight	5	0
8423 82 90	--- Other:		
8423 82 90 10	---- Scales for bovine animals	0	0

8423 82 90 90	---- Other	5	0
8423 89 00 00	-- Other	5	0
8423 90 00 00	- Weighing machine weights of all kinds; parts of weighing machinery	5	0
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 sandblasting machines and similar jet projecting machines:		
8424 10	- Fire extinguishers, whether or not charged:		
8424 10 20	-- Of a weight not exceeding 21 kg:		
8424 10 20 10	--- For use in civil aircraft	0.5	0
8424 10 20 90	--- Other	2	0
8424 10 80	-- Other:		
8424 10 80 10	--- For use in civil aircraft	0.5	0
8424 10 80 90	--- Other	2	0
8424 20 00	- Spray guns and similar appliances:		
8424 20 00 10	-- For the industrial assembly of motor vehicles	2	0
8424 20 00 90	-- Other	5	0
8424 30	- Steam or sandblasting machines and similar jet projecting machines:		
	-- Water cleaning appliances, with built-in motor:		
8424 30 01 00	--- With heating device	5	0
	--- Other, of an engine power:		
8424 30 05	---- Not exceeding 7,5 kW:		
8424 30 05 10	----- For the industrial assembly of motor vehicles	0	0
8424 30 05 90	----- Other	5	0
8424 30 09 00	---- Exceeding 7,5 kW	5	0
	-- Other machines:		
8424 30 10 00	--- Compressed air operated	2	0
8424 30 90	--- Other:		
8424 30 90 10	---- Appliances for injecting coal dust into the blast-furnace	10	3

8424 30 90 20	---- Station for recharging of powder-type fire extinguishers	1	0
8424 30 90 90	---- Other	2	0
	- Other appliances:		
8424 81	-- Agricultural or horticultural:		
8424 81 10 00	--- Watering appliances	0	0
	--- Other:		
8424 81 30 00	---- Portable appliances	0	0
	---- Other:		
8424 81 91 00	----- Sprayers and powder distributors designed to be mounted on or drawn by tractors	0	0
8424 81 99 00	----- Other	0	0
8424 89 00 00	-- Other	2	0
8424 90 00 00	- Parts	2	0
8425	Pulley tackle and hoists other than skip hoists; winches and capstans; jacks:		
	- Pulley tackle and hoists Other than skip hoists or hoists of a kind used for raising vehicles:		
8425 11 00 00	-- Powered by electric motor	0	0
8425 19	-- Other:		
8425 19 20 00	--- Manually operated chain hoists	0	0
8425 19 80 00	--- Other	0	0
	- Other winches; capstans:		
8425 31 00 00	-- Powered by electric motor	0	0
8425 39	-- Other:		
8425 39 30 00	--- Powered by internal combustion piston engines	0	0
8425 39 90 00	--- Other	0	0
	- Jacks; hoists of a kind used for raising vehicles:		
8425 41 00 00	-- Built-in jacking systems of a type used in garages	0	0
8425 42 00 00	-- Other jacks and hoists, hydraulic	0	0

8425 49 00 00	-- Other	0	0
8426	Ships' derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane:		
	- Overhead travelling cranes, transporter cranes, gantry cranes, bridge cranes, mobile lifting frames and straddle carriers:		
8426 11 00 00	-- Overhead travelling cranes on fixed support	0	0
8426 12 00 00	-- Mobile lifting frames on tyres and straddle carriers	0	0
8426 19 00 00	-- Other	0	0
8426 20 00 00	- Tower cranes	0	0
8426 30 00 00	- Portal or pedestal jib cranes	0	0
	- Other machinery, self-propelled:		
8426 41 00 00	-- Ontyres	0	0
8426 49 00 00	-- Other	0	0
	- Other machinery:		
8426 91	-- Designed for mounting on road vehicles:		
8426 91 10 00	--- Hydraulic cranes designed for the loading and unloading of the vehicle	0	0
8426 91 90 00	--- Other	0	0
8426 99 00 00	-- Other:	0	0
8427	Fork-lift trucks; other works trucks fitted with lifting or handling equipment:		
8427 10	- Self-propelled trucks powered by an electric motor:		
8427 10 10 00	-- With a lifting height of 1 m or more	2	0
8427 10 90 00	-- Other	5	0
8427 20	- Other self-propelled trucks:		
	-- With a lifting height of 1 m or more:		
8427 20 11 00	--- Rough terrain fork-lift and other stacking trucks	5	0
8427 20 19 00	--- Other	0	0
8427 20 90 00	-- Other	5	0
8427 90 00 00	- Other trucks	5	0

8428	Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics):		
8428 10	- Lifts and skip hoists:		
8428 10 20 00	-- Electrically operated	0	0
8428 10 80 00	-- Other	0	0
8428 20	- Pneumatic elevators and conveyors:		
8428 20 30 00	-- Specially designed for use in agriculture	0	0
	-- Other:		
8428 20 91 00	--- For bulk materials	0	0
8428 20 98 00	--- Other	0	0
	- Other continuous-action elevators and conveyors, for goods or materials:		
8428 31 00 00	-- Specially designed for underground use	0	0
8428 32 00 00	-- Other, bucket type	0	0
8428 33 00 00	-- Other, belt type	0	0
8428 39	-- Other:		
8428 39 20 00	--- Roller conveyors	0	0
8428 39 90 00	--- Other	0	0
8428 40 00 00	- Escalators and moving walkways	0	0
8428 60 00 00	- Teleferics, chair-lifts, ski-draglines; traction mechanisms for funiculars	0	0
8428 90	- Other machinery:		
8428 90 30 00	-- Rolling-mill machinery; roller tables for feeding and removing products; tilters and manipulators for ingots, balls, bars and slabs	0	0
	-- Other:		
	--- Loaders specially designed for use in agriculture:		
8428 90 71 00	---- Designed for attachment to agricultural tractors	0	0
8428 90 79 00	---- Other	0	0
	--- Other:		
8428 90 91 00	---- Mechanical loaders for bulk material	0	0
8428 90 95 00	---- Other	0	0

8429	Self-propelled bulldozers, angledozers, graders, levellers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers:		
	- Bulldozers and angledozers:		
8429 11 00 00	-- Track laying	0	0
8429 19 00 00	-- Other	0	0
8429 20 00 00	- Graders and levellers	0	0
8429 30 00 00	- Scrapers	0	0
8429 40	- Tamping machines and road rollers:		
	-- Road rollers:		
8429 40 10 00	--- Vibratory	0	0
8429 40 30 00	--- Other	0	0
8429 40 90 00	-- Tamping machines	0	0
	- Mechanical shovels, excavators and shovel loaders:		
8429 51	-- Front-end shovel loaders:		
8429 51 10 00	--- Loaders specially designed for underground use	0	0
	--- Other:		
8429 51 91 00	---- Crawler shovel loaders	0	0
8429 51 99 00	---- Other	0	0
8429 52	-- Machinery with a 360o revolving superstructure:		
8429 52 10 00	--- Track-laying excavators	0	0
8429 52 90 00	--- Other	0	0
8429 59 00 00	-- Other	0	0
8430	Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; piledrivers and pile extractors; snowploughs and snow blowers:		
8430 10 00 00	- Piledrivers and pile extractors	0	0
8430 20 00 00	- Snowploughs and snow blowers	0	0
	- Coal or rock cutters and tunnelling machinery:		

8430 31 00 00	-- Self-propelled	0	0
8430 39 00 00	-- Other	0	0
	- Other boring or sinking machinery:		
8430 41 00 00	-- Self-propelled	0	0
8430 49 00 00	-- Other	0	0
8430 50 00 00	- Other machinery, self-propelled	0	0
	- Other machinery, not self-propelled:		
8430 61 00 00	-- Tamping or compacting machinery	0	0
8430 69 00 00	-- Other	0	0
8431	Parts suitable for use solely or principally with the machinery of headings 8425 to 8430:		
8431 10 00 00	- Of machinery of heading 8425	0	0
8431 20 00 00	- Of machinery of heading 8427	0	0
	- Of machinery of heading 8428:		
8431 31 00 00	-- Of lifts, skip hoists or escalators	0	0
8431 39	-- Other:		
8431 39 10 00	--- Of rolling-mill machinery of subheading 8428 90 30 00	0	0
8431 39 70 00	--- Other	0	0
	- Of machinery of heading 8426, 8429 or 8430:		
8431 41 00 00	-- Buckets, shovels, grabs and grips	0	0
8431 42 00 00	-- Bulldozer or angledozer blades	0	0
8431 43 00 00	-- Parts for boring or sinking machinery of subheading 8430 41 or 8430 49	0	0
8431 49	-- Other:		
8431 49 20 00	--- Of cast iron or cast steel	0	0
8431 49 80 00	--- Other	0	0
8432	Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers:		
8432 10	- Ploughs:		
8432 10 10 00	-- Mouldboard	0	0

8432 10 90 00	-- Other	0	0
	- Harrows, scarifiers, cultivators, weeders and hoes:		
8432 21 00 00	-- Disc harrows	0	0
8432 29	-- Other:		
8432 29 10 00	--- Scarifiers and cultivators	0	0
8432 29 30 00	--- Harrows	0	0
8432 29 50 00	--- Rotovators	0	0
8432 29 90 00	--- Other	0	0
8432 30	- Seeders, planters and transplanters:		
	-- Seeders:		
8432 30 11 00	--- Central driven precision spacing seeders	0	0
8432 30 19 00	--- Other	0	0
8432 30 90 00	-- Planters and transplanters	0	0
8432 40	- Manure spreaders and fertiliser distributors:		
8432 40 10 00	-- Mineral or chemical fertiliser distribution	0	0
8432 40 90 00	-- Other	0	0
8432 80 00 00	- Other machinery	0	0
8432 90 00 00	- Parts	0	0
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 heading 8437:		
	- Mowers for lawns, parks or sports grounds:		
8433 11	-- Powered, with the cutting device rotating in a horizontal plane:		
8433 11 10 00	--- Electric	0	0
	--- Other:		
	---- Self-propelled:		
8433 11 51 00	----- With a seat	0	0
8433 11 59 00	----- Other	0	0
8433 11 90 00	---- Other	0	0

8433 19	-- Other:		
	--- With motor:		
8433 19 10 00	---- Electric	0	0
	---- Other:		
	----- Self-propelled:		
8433 19 51 00	----- With a seat	0	0
8433 19 59 00	----- Other	0	0
8433 19 70 00	---- Other	0	0
8433 19 90 00	--- Without motor	0	0
8433 20	- Other mowers, including cutter bars for tractor mounting:		
8433 20 10 00	-- With motor	0	0
	-- Other:		
	--- Designed to be carried on or hauled by a tractor:		
8433 20 51 00	---- With the cutting device rotating in a horizontal plane	0	0
8433 20 59 00	---- Other	0	0
8433 20 90 00	--- Other	0	0
8433 30	- Other haymaking machinery:		
8433 30 10 00	-- Turners, side-delivery rakes, and tedders	0	0
8433 30 90 00	-- Other	0	0
8433 40	- Straw or fodder balers, including pick-up balers:		
8433 40 10 00	-- Pick-up balers	0	0
8433 40 90 00	-- Other	0	0
	- Other harvesting machinery; threshing machinery:		
8433 51 00 00	-- Combine harvester-threshers	0	0
8433 52 00 00	-- Other threshing machinery	0	0
8433 53	-- Root or tuber harvesting machines:		
8433 53 10 00	--- Potato diggers and potato harvesters	0	0
8433 53 30 00	--- Beet-topping machines and beet harvesters	0	0

8433 53 90 00	--- Other	0	0
8433 59	-- Other:		
	--- Forage harvesters:		
8433 59 11 00	---- Self-propelled	0	0
8433 59 19 00	---- Other	0	0
8433 59 30 00	--- Grape harvesters	0	0
8433 59 80 00	--- Other	0	0
8433 60 00 00	- Machines for cleaning, sorting or grading eggs, fruit or other agricultural produce	0	0
8433 90 00 00	- Parts	0	0
8434	Milking machines and dairy machinery:		
8434 10 00 00	- Milking machines	0	0
8434 20 00 00	- Dairy machinery	0	0
8434 90 00 00	- Parts	0	0
8435	Presses, crushers and similar machinery used in the manufacture of wine, cider, fruit juices or similar beverages:		
8435 10 00 00	- Machinery	5	5
8435 90 00 00	- Parts	5	5
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 00	- Machinery for preparing animal feedingstuffs	0	0
	- Poultry-keeping machinery; poultry incubators and brooders:		
8436 21 00 00	-- Poultry incubators and brooders	0	0
8436 29 00	-- Other:		
8436 29 00 10	--- In-cage and floor machinery for keeping and breeding of poultry	10	3
8436 29 00 90	--- Other	0	0
8436 80	- Other machinery:		
8436 80 10 00	-- Forestry machinery	0	0

	-- Other:		
8436 80 91 00	--- Automatic drinking bowls	0	0
8436 80 99 00	--- Other	0	0
	- Parts:		
8436 91 00 00	-- Of poultry-keeping machinery or poultry incubators and brooders	0	0
8436 99 00 00	-- Other	0	0
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 00	- Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables	0	0
8437 80 00 00	- Other machinery	0	0
8437 90 00 00	- Parts	0	0
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 fats or oils:		
8438 10	- Bakery machinery and machinery for the manufacture of macaroni, spaghetti or similar products:		
8438 10 10 00	-- Bakery machinery	3	5
8438 10 90 00	-- Machinery for the manufacture of macaroni, spaghetti or similar products	3	5
8438 20 00 00	- Machinery for the manufacture of confectionery, cocoa or chocolate	0	0
8438 30 00 00	- Machinery for sugar manufacture	10	5
8438 40 00 00	- Brewery machinery	1	0
8438 50 00 00	- Machinery for the preparation of meat or poultry	10	5
8438 60 00 00	- Machinery for the preparation of fruits, nuts or vegetables	5	5
8438 80	- Other machinery:		
8438 80 10 00	-- For the preparation of tea or coffee	1	0
	-- Other:		
8438 80 91 00	--- For the preparation or manufacture of drink	5	5
8438 80 99 00	--- Other	1	0

8438 90 00 00	- Parts	0	0
8439	Machinery for making pulp of fibrous cellulosic material or for making or finishing paper or paperboard:		
8439 10 00 00	- Machinery for making pulp of fibrous cellulosic material	5	0
8439 20 00 00	- Machinery for making paper or paperboard	2	0
8439 30 00 00	- Machinery for finishing paper or paperboard	5	0
	- Parts:		
8439 91	-- Of machinery for making pulp of fibrous cellulosic material:		
8439 91 10 00	--- Of cast iron or cast steel	5	0
8439 91 90 00	--- Other	5	0
8439 99	-- Other:		
8439 99 10 00	--- Of cast iron or cast steel	5	0
8439 99 90 00	--- Other	5	0
8440	Book-binding machinery, including book-sewing machines:		
8440 10	- Machinery:		
8440 10 10 00	-- Folding machines	4	0
8440 10 20 00	-- Collating machines and gathering machines	4	0
8440 10 30 00	-- Sewing, wire stitching and stapling machines	4	0
8440 10 40 00	-- Unsewn (perfect) binding machines	4	0
8440 10 90 00	-- Other	4	0
8440 90 00 00	- Parts	5	0
8441	Other machinery for making up paper pulp, paper or paperboard, including cutting machines of all kinds:		
8441 10	- Cutting machines:		
8441 10 10 00	-- Combined reel slitting and re-reeling machines	5	0
8441 10 20 00	-- Other slitting and cross-cutting machines	5	0
8441 10 30 00	-- Guillotines	5	0
8441 10 40 00	-- Three-knife trimmers	5	0
8441 10 80 00	-- Other	5	0

8441 20 00 00	- Machines for making bags, sacks or envelopes	5	0
8441 30 00 00	- Machines for making cartons, boxes, cases, tubes, drums or similar containers, other than by moulding	0	0
8441 40 00 00	- Machines for moulding articles in paper pulp, paper or paperboard	0	0
8441 80 00 00	- Other machinery	0	0
8441 90	- Parts:		
8441 90 10 00	-- Of cutting machines	0	0
8441 90 90 00	-- Other	0	0
8442	Machinery, apparatus and equipment (other than the machine-tools of headings 8456 to 8465), 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 30	- Other machinery, apparatus and equipment:		
8442 30 10 00	-- Phototype-setting and composing machines	5	0
	-- Other:		
8442 30 91 00	--- For founding and setting (for example, linotypes, monotypes, intertypes)	5	0
8442 30 99 00	--- Other	5	0
8442 40 00 00	- Parts of the foregoing machinery, apparatus or equipment	5	0
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):		
	-- With printing image:		
8442 50 21 00	--- For relief printing	5	0
8442 50 23 00	--- For planographic printing	5	0
8442 50 29 00	--- Other	5	0
8442 50 80 00	-- Other	3	0

8443	Printing machinery used for printing by means of the printing type, blocks, plates, cylinders and other printing components of heading 8442; other printers, copying or fax machines, combined or not; parts and accessories therefor:		
	- Printing machinery used for printing by means of the printing type, blocks, plates, cylinders and other printing components of heading 8442:		
8443 11 00 00	-- Offset printing machinery, Reel fed	5	0
8443 12 00 00	-- Offset printing machinery, Sheet fed, office type (sheet size not exceeding 22 x 36cm)	5	0
8443 13	-- Other Offset printing machinery:		
	--- Sheet fed:		
8443 13 10 00	---- Used	3	0
	---- New, taking sheets of a size:		
8443 13 31 00	----- Not exceeding 52 x 74cm	3	0
8443 13 35 00	----- Exceeding 52 x 74 cm but not exceeding 74 x 107cm	3	0
8443 13 39 00	----- Exceeding 74 x 107cm	3	0
8443 13 90 00	--- Other	3	0
8443 14 00 00	-- Letterpress printing machinery, Reel fed, excluding flexographic printing	5	0
8443 15 00 00	-- Letterpress printing machinery, not Reel fed, excluding flexographic printing:	5	0
8443 16 00 00	-- Flexographic printing machinery	3	0
8443 17 00 00	-- Gravure printing machinery	3	0
8443 19	-- Other:		
8443 19 20 00	--- For printing textile materials	4	0
8443 19 40 00	--- For use in the production of semiconductors	4	0
8443 19 70 00	--- Other	3	0
	- Other printers, copying or fax machines, combined or not:		
8443 31	-- Machinery that have two or more functions such as printing, copying or fax connection, that can be connected to digital automatic data processing machines or to the net:		

8443 31 10 00	--- Machinery that have functions of copying and fax connection and can not copy more than 12 monochromatic pages per minute, with or without function of printing	0	0
	--- Other :		
8443 31 91 00	---- Machinery that reproduce the original image onto the printed copy by means of electrostatic printing systems	0	0
8443 31 99 00	---- Other	0	0
8443 32	-- Other, that can be connected to automatic digital data processing machines or to the net:		
8443 32 10 00	--- Printers	3	0
8443 32 30 00	--- Fax machines	0	0
	--- Other:		
8443 32 91 00	---- Machinery that reproduce the original image onto the printed copy by means of electrostatic printing systems	0	0
8443 32 93 00	---- Other machinery that reproduce the original image onto the copy incorporating optical system	0	0
8443 32 99 00	---- Other	10	3
8443 39	-- Other:		
8443 39 10 00	--- Machinery that reproduce the original image onto the printed copy by means of electrostatic printing systems	0	0
	--- Other photocopying apparatus:		
8443 39 31 00	---- Incorporating an optical system	0	0
8443 39 39 00	---- Other	10	3
8443 39 90	--- Other:		
8443 39 90 10	---- Automatic typewritwer	10	3
8443 39 90 90	---- Other	3	0
	- Parts and accessories:		
8443 91	-- Parts and accessories for printing machinery used for printing by means of the printing type, blocks, plates, cylinders and other printing components of heading 8442:		
8443 91 10 00	--- For machinery of subcategory 8443 19 40	2	0

	--- Other:		
8443 91 91	---- Of cast iron or cast steel:		
8443 91 91 10	----- Auxiliary machinery	3	0
8443 91 91 90	----- Other	2	0
8443 91 99	---- Other:		
8443 91 99 10	----- Auxiliary machinery	3	0
8443 91 99 90	----- Other	2	0
8443 99	-- Other:		
8443 99 10 00	--- Electronic componentry	0	0
8443 99 90	--- Other:		
8443 99 90 10	---- Auxiliary machinery	3	0
8443 99 90 90	---- Other	0	0
8444 00	Machines for extruding, drawing, texturing or cutting man-made textile materials:		
8444 00 10 00	- Machines for extruding	5	0
8444 00 90 00	- Other	5	0
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 heading 8446 or 8447:		
	- Machines for preparing textile fibres:		
8445 11 00 00	-- Carding machines	0	0
8445 12 00 00	-- Combing machines	0	0
8445 13 00 00	-- Drawing or roving machines	0	0
8445 19 00 00	-- Other	0	0
8445 20 00 00	- Textile spinning machines	0	0
8445 30	- Textile doubling or twisting machines:		
8445 30 10 00	-- Textile doubling machines	0	0
8445 30 90 00	-- Textile twisting machines	0	0

8445 40 00 00	- Textile winding (including weft-winding) or reeling machines	0	0
8445 90 00 00	- Other	0	0
8446	Weaving machines (looms):		
8446 10 00 00	- For weaving fabrics of a width not exceeding 30 cm	0	0
	- For weaving fabrics of a width exceeding 30 cm, shuttle type:		
8446 21 00 00	-- Power looms	0	0
8446 29 00 00	-- Other	0	0
8446 30 00 00	- For weaving fabrics of a width exceeding 30 cm, shuttleless type	0	0
8447	Knitting machines, stitch-bonding machines and machines for making gimped yarn, tulle, lace, embroidery, trimmings, braid or net and machines for tufting:		
	- Circular knitting machines:		
8447 11	-- With cylinder diameter not exceeding 165 mm:		
8447 11 10 00	--- Working with latch needles	0	0
8447 11 90 00	--- Other	0	0
8447 12	-- With cylinder diameter exceeding 165 mm:		
8447 12 10 00	--- Working with latch needles	0	0
8447 12 90 00	--- Other	0	0
8447 20	- Flat knitting machines; stitch-bonding machines:		
8447 20 20 00	-- Warp knitting machines (including Raschel type); stitch-bonding machines	0	0
8447 20 80 00	-- Other	0	0
8447 90 00 00	- Other	0	0
8448	Auxiliary machinery for use with machines of heading 8444, 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 heading 8444, 8445, 8446 or 8447 (for example, spindles and spindle flyers, card clothing, combs, extruding nipples, shuttles, healds and healdframes, hosiery needles):		
	- Auxiliary machinery for machines of heading 8444, 8445, 8446 or 8447:		

8448 11 00 00	-- Dobbies and jacquards; card-reducing, copying, punching or assembling machines for use therewith	0	0
8448 19 00 00	-- Other	0	0
8448 20 00 00	- Parts and accessories of machines of heading 8444 or of their auxiliary machinery	0	0
	- Parts and accessories of machines of heading 8445 or of their auxiliary machinery:		
8448 31 00 00	-- Card clothing	0	0
8448 32 00 00	-- Of machines for preparing textile fibres, other than card clothing	0	0
8448 33	-- Spindles, spindle flyers, spinning rings and ring travellers:		
8448 33 10 00	--- Spindles and spindle flyers	0	0
8448 33 90 00	--- Spinning rings and ring travellers	0	0
8448 39 00 00	-- Other	0	0
	- Parts and accessories of weaving machines (looms) or of their auxiliary machinery:		
8448 42 00 00	-- Reeds for looms, healds and heald-frames	0	0
8448 49 00 00	-- Other	0	0
	- Parts and accessories of machines of heading 8447 or of their auxiliary machinery:		
8448 51	-- Sinkers, needles and other articles used in forming stitches:		
8448 51 10 00	--- Sinkers	0	0
8448 51 90 00	--- Other	0	0
8448 59 00 00	-- Other	0	0
8449 00 00 00	Machinery for the manufacture or finishing of felt or non-wovens in the piece or in shapes, including machinery for making felt hats; blocks for making hats	0	0
8450	Household or laundry-type washing machines, including machines which both wash and dry:		
	- Machines, each of a dry linen capacity not exceeding 10 kg:		
8450 11	-- Fully-automatic machines:		
	--- Each of a dry linen capacity not exceeding 6 kg:		

8450 11 11 00	---- Front-loading machines	5	0
8450 11 19 00	---- Top-loading machines	5	0
8450 11 90 00	--- Each of a dry linen capacity exceeding 6 kg but not exceeding 10 kg	5	0
8450 12 00 00	-- Other machines, with built-in centrifugal drier	5	0
8450 19 00 00	-- Other	10	3
8450 20 00 00	- Machines, each of a dry linen capacity exceeding 10 kg	5	0
8450 90 00 00	- Parts	5	0
8451	Machinery (other than machines of heading 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 00	- Dry-cleaning machines	0	0
	- Drying machines:		
8451 21	-- Each of a dry linen capacity not exceeding 10 kg:		
8451 21 10 00	--- Each of a dry linen capacity not exceeding 6 kg	0	0
8451 21 90 00	--- Each of a dry linen capacity exceeding 6 kg but not exceeding 10 kg	0	0
8451 29 00 00	-- Other	0	0
8451 30	- Ironing machines and presses (including fusing presses):		
	-- Electrically heated, of a power:		
8451 30 10 00	--- Not exceeding 2 500 W	0	0
8451 30 30 00	--- Exceeding 2 500 W	0	0
8451 30 80 00	-- Other	0	0
8451 40 00 00	- Washing, bleaching or dyeing machines	0	0
8451 50 00 00	- Machines for reeling, unreeling, folding, cutting or pinking textile fabrics	0	0
8451 80	- Other machinery:		
8451 80 10 00	-- Machines used in the manufacture of linoleum or other floor coverings for applying the paste to the base fabric or other support	0	0

8451 80 30 00	-- Machines for dressing or finishing	0	0
8451 80 80 00	-- Other	0	0
8451 90 00 00	- Parts	0	0
8452	Sewing machines, other than book-sewing machines of heading 8440; furniture, bases and covers specially designed for sewing machines; sewing machine needles:		
8452 10	- Sewing machines of the household type:		
	-- Sewing machines (lock-stitch only), with heads of a weight not exceeding 16 kg without motor or 17 kg including the motor; sewing machine heads (lock-stitch only), of a weight not exceeding 16 kg without motor or 17 kg including the motor:		
8452 10 11 00	--- Sewing machines having a value (not including frames, tables or furniture) of more than EUR 65 each	0	0
8452 10 19 00	--- Other	0	0
8452 10 90 00	-- Other sewing machines and other sewing machine heads	0	0
	- Other sewing machines:		
8452 21 00 00	-- Automatic units	0	0
8452 29 00 00	-- Other	0	0
8452 30	- Sewing machine needles:		
8452 30 10 00	-- With single flat shank	0	0
8452 30 90 00	-- Other	0	0
8452 40 00 00	- Furniture, bases and covers for sewing machines and parts thereof	0	0
8452 90 00 00	- Other parts of sewing machines	0	0
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 00	- Machinery for preparing, tanning or working hides, skins or leather	0	0
8453 20 00 00	- Machinery for making or repairing footwear	0	0
8453 80 00 00	- Other machinery	0	0
8453 90 00 00	- Parts	0	0

8454	Converters, ladles, ingot moulds and casting machines, of a kind used in metallurgy or in metal foundries:		
8454 10 00	- Converters:		
8454 10 00 10	-- Of a capacity 130 - 300 tons	10	3
8454 10 00 90	-- Other	5	0
8454 20 00 00	- Ingot moulds and ladles	5	0
8454 30	- Casting machines:		
8454 30 10 00	-- For casting under pressure	5	0
8454 30 90 00	-- Other	5	0
8454 90 00	- Parts:		
8454 90 00 10	-- Of converter	0	0
8454 90 00 90	-- Other	5	0
8455	Metal-rolling mills and rolls therefor:		
8455 10 00 00	- Tube mills	2	0
	- Other rolling mills:		
8455 21 00 00	-- Hot or combination hot and cold	10	3
8455 22 00 00	-- Cold	10	3
8455 30	- Rolls for rolling mills:		
8455 30 10 00	-- Of cast iron	5	0
	-- Of open-die forged steel:		
8455 30 31	--- Hot-rolling work-rolls; hot-rolling and cold-rolling back-up rolls:		
8455 30 31 10	---- Hot-rolling	10	3
8455 30 31 90	---- Other	5	0
8455 30 39 00	--- Cold-rolling work-rolls	5	0
8455 30 90	-- Of cast or wrought steel:		
8455 30 90 10	--- Pilger rolls of cast steel	10	3
8455 30 90 90	--- Other	1	0
8455 90 00 00	- Other parts	5	0

8456	Machine-tools for working any material by removal of material, by laser or other light or photon beam, ultrasonic, electrodischarge, electrochemical, electron beam, ionic-beam or plasma arc processes:		
8456 10 00 00	- Operated by laser or other light or photon beam processes:	4	0
8456 20 00 00	- Operated by ultrasonic processes	2	0
8456 30	- Operated by electrodischarge processes:		
	-- Numerically controlled:		
8456 30 11 00	--- Wire-cut	2	0
8456 30 19 00	--- Other	2	0
8456 30 90 00	-- Other	2	0
8456 90 00 00	- Other	2	0
8457	Machining centres, unit construction machines (single station) and multi-station transfer machines, for working metal:		
8457 10	- Machining centres:		
8457 10 10 00	-- Horizontal	4	0
8457 10 90 00	-- Other	4	0
8457 20 00 00	- Unit construction machines (single station)	2	0
8457 30	- Multi-station transfer machines:		
8457 30 10 00	-- Numerically controlled	2	0
8457 30 90 00	-- Other	2	0
8458	Lathes (including turning centres) for removing metal:		
	- Horizontal lathes:		
8458 11	-- Numerically controlled:		
8458 11 20 00	--- Turning centres	3	0
	--- Automatic lathes:		
8458 11 41 00	---- Single spindle	3	0
8458 11 49 00	---- Multi-spindle	3	0
8458 11 80 00	--- Other	0	0
8458 19	-- Other:		

8458 19 20 00	--- Centre lathes (engine or tool-room)	2	0
8458 19 40 00	--- Automatic lathes	4	0
8458 19 80 00	--- Other	4	0
	- Other lathes:		
8458 91	-- Numerically controlled:		
8458 91 20 00	--- Turning centres	2	0
8458 91 80 00	--- Other	4	0
8458 99 00 00	-- Other	5	0
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 heading 8458:		
8459 10 00 00	- Way-type unit head machines	2	0
	- Other drilling machines:		
8459 21 00 00	-- Numerically controlled	2	0
8459 29 00 00	-- Other	2	0
	- Other boring-milling machines:		
8459 31 00 00	-- Numerically controlled	2	0
8459 39 00 00	-- Other	2	0
8459 40	- Other boring machines:		
8459 40 10 00	-- Numerically controlled	2	0
8459 40 90 00	-- Other	2	0
	- Milling machines, knee-type:		
8459 51 00 00	-- Numerically controlled	2	0
8459 59 00 00	-- Other	2	0
	- Other milling machines:		
8459 61	-- Numerically controlled:		
8459 61 10 00	--- Tool milling machines	4	0
8459 61 90 00	--- Other	2	0
8459 69	-- Other:		

8459 69 10 00	--- Tool milling machines	4	0
8459 69 90 00	--- Other	2	0
8459 70 00 00	- Other threading or tapping machines	2	0
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 heading 8461:		
	- Flat-surface grinding machines, in which the positioning in any one axis can be set up to an accuracy of at least 0,01 mm:		
8460 11 00 00	-- Numerically controlled	0.5	0
8460 19 00 00	-- Other	2	0
	- 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:		
	--- For cylindrical surfaces:		
8460 21 11 00	---- Internal cylindrical grinding machines	2	0
8460 21 15 00	---- Centreless grinding machines	2	0
8460 21 19 00	---- Other	2	0
8460 21 90 00	--- Other	2	0
8460 29	-- Other:		
	--- For cylindrical surfaces:		
8460 29 11 00	---- Internal cylindrical grinding machines	2	0
8460 29 19 00	---- Other	2	0
8460 29 90 00	--- Other	2	0
	- Sharpening (tool or cutter grinding) machines:		
8460 31 00 00	-- Numerically controlled	5	0
8460 39 00 00	-- Other	1	0
8460 40	- Honing or lapping machines:		
8460 40 10	-- Numerically controlled:		

8460 40 10 10	--- With working accuracy of aperture's form not exceeding 0,01 mm	0.5	0
8460 40 10 90	--- Other	2	0
8460 40 90 00	-- Other	2	0
8460 90	- Other:		
8460 90 10 00	-- Fitted with a micrometric adjusting system, in which the positioning in any one axis can be set up to an accuracy of at least 0,01 mm	4	0
8460 90 90 00	-- Other	2	0
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 00	- Shaping or slotting machines	3	0
8461 30	- Broaching machines:		
8461 30 10 00	-- Numerically controlled	0	0
8461 30 90 00	-- Other	0	0
8461 40	- Gear-cutting, gear-grinding or gear-finishing machines:		
	-- Gear-cutting machines (including abrasive gear-cutting machines):		
	--- For cutting cylindrical gears:		
8461 40 11 00	---- Numerically controlled	0	0
8461 40 19 00	---- Other	0	0
	--- For cutting other gears:		
8461 40 31 00	---- Numerically controlled	0	0
8461 40 39 00	---- Other	0	0
	-- Gear-finishing machines:		
	--- Fitted with a micrometric adjusting system, in which the positioning in any one axis can be set up to an accuracy of at least 0,01 mm:		
8461 40 71 00	---- Numerically controlled	0	0
8461 40 79 00	---- Other	0	0
8461 40 90 00	--- Other	0	0
8461 50	- Sawing or cutting-off machines:		

	-- Sawing machines:		
8461 50 11 00	--- Circular saws	0	0
8461 50 19 00	--- Other	4	0
8461 50 90 00	-- Cutting-off machines	4	0
8461 90 00 00	- Other	5	0
8462	Machine tools (including presses) for working metal by forging, hammering or diestamping; 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:		
8462 10 10 00	-- Numerically controlled	5	0
8462 10 90 00	-- Other	5	0
	- Bending, folding, straightening or flattening machines (including presses):		
8462 21	-- Numerically controlled:		
8462 21 10 00	--- For working flat products	5	0
8462 21 80 00	--- Other	5	0
8462 29	-- Other:		
8462 29 10 00	--- For working flat products	2	0
	--- Other:		
8462 29 91 00	---- Hydraulic	5	0
8462 29 98 00	---- Other	5	0
	- Shearing machines (including presses), other than combined punching and shearing machines:		
8462 31 00 00	-- Numerically controlled	5	0
8462 39	-- Other:		
8462 39 10 00	--- For working flat products	5	0
	--- Other:		
8462 39 91 00	---- Hydraulic	2	0
8462 39 99 00	---- Other	5	0

	- Punching or notching machines (including presses), including combined punching and shearing machines:		
8462 41	-- Numerically controlled:		
8462 41 10 00	--- For working flat products	5	0
8462 41 90 00	--- Other	5	0
8462 49	-- Other:		
8462 49 10 00	--- For working flat products	4	0
8462 49 90 00	--- Other	4	0
	- Other:		
8462 91	-- Hydraulic presses:		
8462 91 10 00	--- Presses for moulding metallic powders by sintering or presses for compressing scrap metal into bales	5	0
	--- Other:		
8462 91 50 00	---- Numerically controlled	5	0
8462 91 90 00	---- Other	5	0
8462 99	-- Other:		
8462 99 10 00	--- Presses for moulding metallic powders by sintering or presses for compressing scrap metal into bales	4	0
	--- Other:		
8462 99 50 00	---- Numerically controlled	4	0
8462 99 90 00	---- Other	4	0
8463	Other machine tools for working metal or cermets, without removing material:		
8463 10	- Drawbenches for bars, tubes, profiles, wire or the like:		
8463 10 10 00	-- Drawbenches for wire	5	0
8463 10 90 00	-- Other	5	0
8463 20 00 00	- Thread-rolling machines	5	0
8463 30 00 00	- Machines for working wire	5	0
8463 90 00 00	- Other	5	0

8464	Machine tools for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold working glass:		
8464 10 00 00	- Sawing machines:	5	0
8464 20	- Grinding or polishing machines:		
	-- For working glass:		
8464 20 11 00	--- Optical glass	5	0
8464 20 19 00	--- Other	5	0
8464 20 20 00	-- For working ceramics	5	0
8464 20 95 00	-- Other	5	0
8464 90	- Other:		
8464 90 20 00	-- For working ceramics	5	0
8464 90 80 00	-- Other	5	0
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	- Machines which can carry out different types of machining operations without tool change between such operations:		
8465 10 10 00	-- With manual transfer of workpiece between each operation	5	0
8465 10 90 00	-- With automatic transfer of workpiece between each operation	5	0
	- Other:		
8465 91	-- Sawing machines:		
8465 91 10 00	--- Band saws	5	0
8465 91 20 00	--- Circular saws	5	0
8465 91 90 00	--- Other	1	0
8465 92 00 00	-- Planing, milling or moulding (by cutting) machines	1	0
8465 93 00 00	-- Grinding, sanding or polishing machines	1	0
8465 94 00 00	-- Bending or assembling machines	5	0
8465 95 00	-- Drilling or morticing machines:		
8465 95 00 10	--- Multi-spindle doped	1	0

8465 95 00 90	--- Other	5	0
8465 96 00 00	-- Splitting, slicing or paring machines	2	0
8465 99	-- Other:		
8465 99 10 00	--- Lathes	5	0
8465 99 90	--- Other:		
8465 99 90 10	---- Unilateral machine tools for bonding edges with glue-melt	1	0
8465 99 90 90	---- Other	5	0
8466	Parts and accessories suitable for use solely or principally with the machines of headings 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:		
8466 10	- Tool holders and self-opening dieheads:		
	-- Tool holders:		
8466 10 20 00	--- Arbors, collets and sleeves	2	0
	--- Other:		
8466 10 31 00	---- For lathes	2	0
8466 10 38 00	---- Other	2	0
8466 10 80 00	-- Self-opening dieheads	2	0
8466 20	- Work holders:		
8466 20 20 00	-- Jigs and fixtures for specific applications; sets of standard jig and fixture components	2	0
	-- Other:		
8466 20 91 00	--- For lathes	2	0
8466 20 98 00	--- Other	2	0
8466 30 00 00	- Dividing heads and other special attachments for machine tools	2	0
	- Other:		
8466 91	-- For machines of heading 8464:		
8466 91 20 00	--- Of cast iron or cast steel	2	0
8466 91 95 00	--- Other	2	0

8466 92	-- For machines of heading 8465:		
8466 92 20 00	--- Of cast iron or cast steel	2	0
8466 92 80 00	--- Other	2	0
8466 93 00 00	-- For machines of headings 8456 to 8461	2	0
8466 94 00 00	-- For machines of heading 8462 or 8463	2	0
8467	Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or non-electric motor:		
	- Pneumatic:		
8467 11	-- Rotary type (including combined rotary-percussion):		
8467 11 10 00	--- Metal working	5	0
8467 11 90 00	--- Other	5	0
8467 19 00 00	-- Other	5	0
	- With self-contained electric motor:		
8467 21	-- Drills of all kinds:		
8467 21 10 00	--- Capable of operation without an external source of power	2	0
	--- Other:		
8467 21 91 00	---- Electropneumatic	2	0
8467 21 99 00	---- Other	2	0
8467 22	-- Saws:		
8467 22 10 00	--- Chain saws	5	0
8467 22 30 00	--- Circular saws	2	0
8467 22 90 00	--- Other	2	0
8467 29	-- Other:		
8467 29 10 00	--- Of a kind used for working textile materials	2	0
	--- Other:		
8467 29 30 00	---- Capable of operation without an external source of power	2	0
	---- Other:		
	---- Grinders and sanders:		

8467 29 51 00	----- Angle grinders	2	0
8467 29 53 00	----- Belt sanders	2	0
8467 29 59 00	----- Other	5	0
8467 29 70 00	----- Planers	2	0
8467 29 80 00	----- Hedge trimmers and lawn edge cutters	2	0
8467 29 90 00	----- Other	2	0
	- Other tools:		
8467 81 00 00	-- Chain saws	2	0
8467 89 00 00	-- Other	5	0
	- Parts:		
8467 91 00	-- Of chain saws:		
8467 91 00 10	--- With electric motor	2	0
8467 91 00 90	--- Other	4	0
8467 92 00 00	-- Of pneumatic tools	5	0
8467 99 00	-- Other:		
8467 99 00 10	--- With electric motor	2	0
8467 99 00 90	--- Other	5	0
8468	Machinery and apparatus for soldering, brazing or welding, whether or not capable of cutting, other than those of heading 8515; gas-operated surface tempering machines and appliances:		
8468 10 00 00	- Hand-held blow pipes	5	0
8468 20 00 00	- Other gas-operated machinery and apparatus	5	0
8468 80 00 00	- Other machinery and apparatus	5	0
8468 90 00 00	- Parts	5	0
8469	Typewriters other than printers of heading 8443; word-processing machines:		
8469 00 10 00	- Automatic typewriters and word-processing machines	0	0
	- Other:		
8469 00 91 00	-- electric	10	3
8469 00 99 00	-- Other	10	3

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 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	0	0
	- Other electronic calculating machines:		
8470 21 00 00	-- Incorporating a printing device	0	0
8470 29 00 00	-- Other	0	0
8470 30 00 00	- Other calculating machines	0	0
8470 50 00 00	- Cash registers	0	0
8470 90 00 00	- Other	0	0
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 00	- Portable digital automatic data-processing machines, weighing not more than 10 kg, consisting of at least a central processing unit, a keyboard and a display	0	0
	- Other digital automatic data-processing machines:		
8471 41 00 00	-- Comprising in the same housing at least a central processing unit and an input and output unit, whether or not combined	0	0
8471 49 00 00	-- Other, presented in the form of systems	0	0
8471 50 00 00	- Digital processing units other than those of subheading 8471 41 or 8471 49, whether or not containing in the same housing one or two of the following types of unit: storage units, input units, output units	0	0
8471 60	- Input or output units, whether or not containing storage units in the same housing:		
8471 60 60 00	-- Keyboards	0	0
8471 60 70 00	-- Other	0	0
8471 70	- Storage units:		

8471 70 20 00	-- Central storage units	0	0
	-- Other:		
	--- Disk storage units:		
8471 70 30 00	---- Optical, including magneto-optical	0	0
	---- Other:		
8471 70 50 00	----- Hard disk drives	0	0
8471 70 70 00	----- Other	0	0
8471 70 80 00	--- Magnetic tape storage units	0	0
8471 70 98 00	--- Other	0	0
8471 80 00 00	- Other units of automatic data-processing machines	0	0
8471 90 00 00	- Other	0	0
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 00	- Duplicating machines	10	3
8472 30 00 00	- 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	10	3
8472 90	- Other:		
8472 90 10 00	-- Coin-sorting, coin-counting or coin-wrapping machines	10	3
8472 90 30 00	-- Automatic teller machines	0	0
8472 90 70 00	-- Other	10	3
8473	Parts and accessories (other than covers, carrying cases and the like) suitable for use solely or principally with machines of headings 8469 to 8472:		
8473 10	- Parts and accessories of the machines of heading 8469:		
	-- Electronic assemblies:		
8473 10 11 00	--- Of machines of subheading 8469 11 00	0	0
8473 10 19 00	--- Other	0	0

8473 10 90 00	-- Other	0	0
	- Parts and accessories of the machines of heading 8470:		
8473 21	-- Of the electronic calculating machines of subheading 8470 10, 8470 21 or 8470 29:		
8473 21 10 00	--- Electronic assemblies	0	0
8473 21 90 00	--- Other	0	0
8473 29	-- Other:		
8473 29 10 00	--- Electronic assemblies	0	0
8473 29 90 00	--- Other	0	0
8473 30	- Parts and accessories of the machines of heading 8471:		
8473 30 20 00	-- Electronic assemblies	0	0
8473 30 80 00	-- Other	0	0
8473 40	- Parts and accessories of the machines of heading 8472:		
	-- Electronic assemblies:		
8473 40 11 00	--- Of machines of subheading 8472 90 30	0	0
8473 40 18 00	--- Other	0	0
8473 40 80 00	-- Other	0	0
8473 50	- Parts and accessories equally suitable for use with machines of two or more of the headings 8469 to 8472:		
8473 50 20 00	-- Electronic assemblies	0	0
8473 50 80 00	-- Other	0	0
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 00	- Sorting, screening, separating or washing machines	1	0
8474 20	- Crushing or grinding machines:		
8474 20 10 00	-- For mineral substances of a kind used in the ceramics industry	7	0

8474 20 90 00	-- Other	7	0
	- Mixing or kneading machines:		
8474 31 00 00	-- Concrete or mortar mixers	0	0
8474 32 00 00	-- Machines for mixing mineral substances with bitumen	0	0
8474 39	-- Other:		
8474 39 10 00	--- Machinery for mixing or kneading mineral substances of a kind used in the ceramics industry	0	0
8474 39 90 00	--- Other	0	0
8474 80	- Other machinery:		
8474 80 10 00	-- Machinery for agglomerating, shaping or moulding ceramic paste	0	0
8474 80 90 00	-- Other	0	0
8474 90	- Parts:		
8474 90 10 00	-- Of cast iron or cast steel	5	0
8474 90 90	-- Other:		
8474 90 90 10	--- Equipment for sorting, washing, crushing or mixing of minerals, soils, stones and other mineral resources	2	0
8474 90 90 90	--- Other	5	0
8475	Machines for assembling electric or electronic lamps, tubes or valves or flashbulbs, in glass envelopes; machines for manufacturing or hot working glass or glassware:		
8475 10 00 00	- Machines for assembling electric or electronic lamps, tubes or valves or flashbulbs, in glass envelopes	5	0
	- Machines for manufacturing or hot working glass or glassware:		
8475 21 00 00	-- Machines for making optical fibres and preforms thereof	5	0
8475 29 00 00	-- Other	5	0
8475 90 00 00	- Parts	5	0
8476	Automatic goods-vending machines (for example, postage stamp, cigarette, food or beverage machines), including money-changing machines:		
	- Automatic beverage-vending machines:		
8476 21 00 00	-- Incorporating heating or refrigerating devices	5	0

8476 29 00 00	-- Other	5	0
	- Other machines:		
8476 81 00 00	-- Incorporating heating or refrigerating devices	5	0
8476 89 00 00	-- Other	5	0
8476 90 00 00	- Parts	5	0
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 00	- Injection-moulding machines	5	0
8477 20 00 00	- Extruders	5	0
8477 30 00 00	- Blow-moulding machines	5	0
8477 40 00 00	- Vacuum-moulding machines and other thermoforming machines	5	0
	- Other machinery for moulding or otherwise forming:		
8477 51 00 00	-- For moulding or retreading pneumatic tyres or for moulding or otherwise forming inner tubes	5	0
8477 59	-- Other:		
8477 59 10	--- Presses:		
8477 59 10 10	---- vulcanization hydraulic	1	0
8477 59 10 90	---- Other	5	0
8477 59 80 00	--- Other	5	0
8477 80	- Other machinery:		
	-- Machines for the manufacture of foam products:		
8477 80 11 00	--- Machines for processing reactive resins	5	0
8477 80 19 00	--- Other	5	0
	-- Other:		
8477 80 91 00	--- Size reduction equipment	0	0
8477 80 93 00	--- Mixers, kneaders and agitators	0	0
8477 80 95 00	--- Cutting, splitting and peeling machines	0	0
8477 80 99 00	--- Other	0	0
8477 90	- Parts:		

8477 90 10 00	-- Of cast iron or cast steel	0	0
8477 90 80 00	-- Other	0	0
8478	Machinery for preparing or making up tobacco, not specified or included elsewhere in this chapter:		
8478 10 00 00	- Machinery	1	0
8478 90 00 00	- Parts	1	0
8479	Machines and mechanical appliances having individual functions, not specified or included elsewhere in this chapter:		
8479 10 00 00	- Machinery for public works, building or the like	0	0
8479 20 00 00	- Machinery for the extraction or preparation of animal or fixed vegetable fats or oils	0	0
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 30 10 00	-- Presses	0	0
8479 30 90 00	-- Other	0	0
8479 40 00 00	- Rope or cable-making machines	2	0
8479 50 00 00	- Industrial robots, not elsewhere specified or included	5	0
8479 60 00 00	- Evaporative air coolers	5	0
	- Other machines and mechanical appliances:		
8479 81 00 00	-- For treating metal, including electric wire coil winders	2	0
8479 82 00 00	-- Mixing, kneading, crushing, grinding, screening, sifting, homogenising, emulsifying or stirring machines	0	0
8479 89	-- Other:		
8479 89 30 00	--- Mobile hydraulic-powered mine roof supports	2	0
8479 89 60	--- Central greasing systems:		
8479 89 60 10	---- Ultrasonic dispergator	5	0
8479 89 60 90	---- Other	0	0
8479 89 91 00	--- Machines for glazing and decorating ceramic products	5	0
8479 89 97	--- Other:		

8479 89 97 10	---- Machinery for opening and closing of a pig iron hole of blast-furnace	5	0
8479 89 97 30	---- Machines and mechanical appliance for encapsulation, dehydration, pelletization of medicines	1	0
8479 89 97 50	---- Machines and mechanical appliance for coating of pellets and pills	1	0
8479 89 97 90	---- Other	0	0
8479 90	- Parts:		
8479 90 20 00	-- Of cast iron or cast steel	0	0
8479 90 80 00	-- Other	0	0
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 00	- Moulding boxes for metal foundry	2	0
8480 20 00 00	- Mould bases	2	0
8480 30	- Moulding patterns:		
8480 30 10 00	-- Of wood	2	0
8480 30 90 00	-- Other	2	0
	- Moulds for metal or metal carbides:		
8480 41 00 00	-- Injection or compression types	2	0
8480 49 00 00	-- Other	2	0
8480 50 00 00	- Moulds for glass	2	0
8480 60	- Moulds for mineral materials:		
8480 60 10 00	-- Compression types	2	0
8480 60 90 00	-- Other	2	0
	- Moulds for rubber or plastics:		
8480 71 00	-- Injection or compression types:		
8480 71 00 10	--- Moulds for plastics (for casting under the pressure of curlings (capsules) for pet-bottles)	0	0
8480 71 00 90	--- Other	0	0
8480 79 00 00	-- Other	0	0

8481	Taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves:		
8481 10	- Pressure-reducing valves:		
8481 10 05 00	-- Combined with filters or lubricators	0	0
	-- Other:		
8481 10 19 00	--- Of cast iron or steel	0	0
8481 10 99 00	--- Other	0	0
8481 20	- Valves for oleohydraulic or pneumatic transmissions:		
8481 20 10 00	-- Valves for the control of oleohydraulic power transmission	0	0
8481 20 90 00	-- Valves for the control of pneumatic power transmission	0	0
8481 30	- Check (non-return) valves:		
8481 30 91 00	-- Of cast iron or steel	0	0
8481 30 99 00	-- Other	0	0
8481 40	- Safety or relief valves:		
8481 40 10 00	-- Of cast iron or steel	0	0
8481 40 90 00	-- Other	0	0
8481 80	- Other appliances:		
	-- Taps, cocks and valves for sinks, wash basins, bidets, water cisterns, baths and similar fixtures:		
8481 80 11 00	--- Mixing valves	0	0
8481 80 19 00	--- Other	0	0
	-- Central heating radiator valves:		
8481 80 31 00	--- Thermostatic valves	0	0
8481 80 39 00	--- Other	0	0
8481 80 40 00	-- Valves for pneumatic tyres and inner tubes	0	0
	-- Other:		
	--- Process control valves:		
8481 80 51 00	---- Temperature regulators	0	0

8481 80 59 00	---- Other	0	0
	--- Other:		
	---- Gate valves:		
8481 80 61 00	----- Of cast iron	0	0
8481 80 63 00	----- Of steel	0	0
8481 80 69 00	----- Other	0	0
	--- Globe valves:		
8481 80 71 00	----- Of cast iron	0	0
8481 80 73 00	----- Of steel	0	0
8481 80 79 00	----- Other	0	0
8481 80 81 00	---- Ball and plug valves	0	0
8481 80 85 00	---- Butterfly valves	0	0
8481 80 87 00	---- Diaphragm valves	0	0
8481 80 99 00	---- Other	0	0
8481 90 00 00	- Parts	0	0
8482	Ball or roller bearings:		
8482 10	- Ball bearings:		
8482 10 10 00	-- With greatest external diameter not exceeding 30 mm	4	0
8482 10 90 00	-- Other	4	0
8482 20 00 00	- Tapered roller bearings, including cone and tapered roller assemblies	5	0
8482 30 00 00	- Spherical roller bearings	6	0
8482 40 00 00	- Needle roller bearings	10	3
8482 50 00 00	- Other cylindrical roller bearings	10	3
8482 80 00 00	- Other, including combined ball/roller bearings	2	0
	- Parts:		
8482 91	-- Balls, needles and rollers:		
8482 91 10 00	--- Tapered rollers	0	0
8482 91 90 00	--- Other	0	0

8482 99 00 00	-- Other	5	0
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:		
	-- Cranks and crank shafts:		
8483 10 21	--- Of cast iron or cast steel:		
8483 10 21 10	---- For use in civil aircraft	0.2	0
8483 10 21 90	---- Other	5	0
8483 10 25	--- Of open-die forged steel:		
8483 10 25 10	---- For use in civil aircraft	0.2	0
8483 10 25 90	---- Other	5	0
8483 10 29	--- Other:		
8483 10 29 10	---- For use in civil aircraft	0.2	0
8483 10 29 90	---- Other	5	0
8483 10 50	-- Articulated shafts:		
8483 10 50 10	--- For use in civil aircraft	0.2	0
8483 10 50 90	--- Other	5	0
8483 10 95	-- Other:		
8483 10 95 10	--- For use in civil aircraft	0.2	0
8483 10 95 90	--- Other	5	0
8483 20	- Bearing housings, incorporating ball or roller bearings:		
8483 20 10 00	-- Of a kind used in aircraft and spacecraft	5	0
8483 20 90 00	-- Other	5	0
8483 30	- Bearing housings, not incorporating ball or roller bearings; plain shaft bearings:		
	-- Bearing housings:		

8483 30 32	--- For ball or roller bearings:		
8483 30 32 10	---- For use in civil aircraft	0.2	0
8483 30 32 90	---- Other	5	0
8483 30 38	--- Other:		
8483 30 38 10	---- For use in civil aircraft	0.2	0
8483 30 38 90	---- Other	5	0
8483 30 80	-- Plain shaft bearings:		
8483 30 80 10	--- For use in civil aircraft	0.2	0
8483 30 80 90	--- Other	5	0
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:		
	-- Gears and gearing (other than friction gears):		
8483 40 21 00	--- Spur and helical	0	0
8483 40 23 00	--- Bevel and bevel/spur	0	0
8483 40 25 00	--- Wormgear	0	0
8483 40 29 00	--- Other	0	0
8483 40 30 00	-- Ball or roller screws	0	0
	-- Gear boxes and other speed changers:		
8483 40 51 00	--- Gear boxes	0	0
8483 40 59 00	--- Other	0	0
8483 40 90 00	-- Other	0	0
8483 50	- Flywheels and pulleys, including pulley blocks:		
8483 50 20 00	-- Of cast iron or cast steel	0	0
8483 50 80 00	-- Other	0	0
8483 60	- Clutches and shaft couplings (including universal joints):		
8483 60 20 00	-- Of cast iron or cast steel	0	0
8483 60 80 00	-- Other	0	0

8483 90	- Toothed wheels, chain sprockets and other transmission elements presented separately; parts:		
8483 90 20 00	-- Parts of bearing housings	0	0
	-- Other:		
8483 90 81 00	--- Of cast iron or cast steel	0	0
8483 90 89	-- Other:		
8483 90 89 10	---- For use in civil aircraft	0	0
8483 90 89 90	---- Other	5	0
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 00	- Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal:		
8484 10 00 10	-- For use in civil aircraft	0.5	0
8484 10 00 90	-- Other	0	0
8484 20 00 00	- Mechanical seals	0	0
8484 90 00	- Other:		
8484 90 00 10	-- For use in civil aircraft	0.5	0
8484 90 00 90	-- Other	0	0
[8485]			
8486	Machinery and apparatus used solely or mostly for manufacturing of semiconductor boules or wafers, semiconductor items, electronic integrated circuits or flat display boards; machinery and apparatus specified in Annex 9(C) to this group; parts and accessories:		
8486 10 00 00	- Of a kind used in the manufacture of boules or wafers	0	0
8486 20	- Of a kind used in the manufacture of semiconductor items or electronic integrated circuits:		
8486 20 10 00	-- Operated by ultrasonic processes	2	0
8486 20 90 00	-- Other	0	0

8486 30	- Of a kind used in the manufacture of flat display boards:		
8486 30 10 00	-- Apparatus for chemical vapour deposition on LCD substrates	2	0
8486 30 30 00	-- For dry-etching patterns on semiconductor materials	2	0
8486 30 50 00	-- Apparatus for physical vapour deposition by electronic beam or evaporation on semiconductor wafers	0	0
8486 30 90	-- Other:		
8486 30 90 10	--- Projection apparatus or apparatus for application of images on sensitized linings of flat displays	10	3
8486 30 90 90	--- Other	0	0
8486 40 00 00	- Machinery and apparatus specified in Annex 9(C) to this group	0	0
8486 90	- Parts and accessories:		
8486 90 10 00	-- Tool holders and self-opening dieheads; workholders	2	0
	-- Other:		
8486 90 20 00	--- Of spinners for coating photographic emulsions on LCD substrates	2	0
8486 90 30 00	--- Parts of Deflash machines for cleaning the metal leads of semiconductor packages prior to the electroplating process	0	0
8486 90 40 00	--- Parts and accessories of apparatus for physical vapour deposition by electronic beam or evaporation on semiconductor wafers	5	0
8486 90 50 00	--- Parts and accessories of apparatus for dry etching of picture on LCD substrates	2	0
8486 90 60 00	--- Parts and accessories of apparatus for chemical vapour from gas phase on LCD substrates	2	0
8486 90 70 00	--- Parts and accessories of apparatus operated by ultrasonic processes	2	0
8486 90 90	--- Other:		
8486 90 90 10	---- For apparatus of subheading 9010 50 10 00	5	0
8486 90 90 90	---- Other	0	0
8487	Machinery parts, not containing electrical connectors, insulators, coils, contacts or other electrical features, not specified or included elsewhere in this chapter:		
8487 10	- Ships' or boats' propellers and blades therefor:		
8487 10 10 00	-- Of bronze	5	0

8487 10 90 00	-- Other	5	0
8487 90	- Other:		
8487 90 10 00	-- Of non-malleable cast iron	5	0
8487 90 30 00	-- Of malleable cast iron	5	0
	-- Of iron or steel:		
8487 90 51 00	--- Of cast steel	5	0
8487 90 53 00	--- Of open-die forged iron or steel	5	0
8487 90 55 00	--- Of closed-die forged iron or steel	5	0
8487 90 59 00	--- Other	0	0
8487 90 90 00	-- Other	5	0