

Category	EU code	Control text	2026 CN Code	CN text	Date
Part A					
I. Electronics	X.A.1.001.a	Electronic devices and components. a. "Microprocessor microcircuits", "microcomputer microcircuits", and microcontroller microcircuits having any of the following: 1. A performance speed of 5 GigaFLOPS or more and an arithmetic logic unit with an access width of 32 bit or more; 2. A clock frequency rate exceeding 25 MHz; or 3. More than one data or instruction bus or serial communication port that provides a direct external interconnection between parallel "microprocessor microcircuits" with a transfer rate of 2,5 Mbyte/s; 3. More than one data or instruction bus or serial communication port that provides a direct external	8542.31.11	Electronic multi-component integrated circuits "MCOs" as processors and controllers as specified in note 9 (b) (4) to chapter 85, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	25.II.22
I. Electronics	X.A.1.001.a	Electronic devices and components. a. "Microprocessor microcircuits", "microcomputer microcircuits", and microcontroller microcircuits having any of the following: 1. A performance speed of 5 GigaFLOPS or more and an arithmetic logic unit with an access width of 32 bit or more; 2. A clock frequency rate exceeding 25 MHz; or 3. More than one data or instruction bus or serial communication port that provides a direct external	8542.31.19	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits in the form of multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits as specified in note 9 (b) (3) to chapter 85	25.II.22
I. Electronics	X.A.1.001.a	Electronic devices and components. a. "Microprocessor microcircuits", "microcomputer microcircuits", and microcontroller microcircuits having any of the following: 1. A performance speed of 5 GigaFLOPS or more and an arithmetic logic unit with an access width of 32 bit or more; 2. A clock frequency rate exceeding 25 MHz; or 3. More than one data or instruction bus or serial communication port that provides a direct external	8542.31.90	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits (excl. in the form of multichip or multi-component integrated circuits)	25.II.22
I. Electronics	X.A.1.001.a	Electronic devices and components. a. "Microprocessor microcircuits", "microcomputer microcircuits", and microcontroller microcircuits having any of the following: 1. A performance speed of 5 GigaFLOPS or more and an arithmetic logic unit with an access width of 32 bit or more; 2. A clock frequency rate exceeding 25 MHz; or 3. More than one data or instruction bus or serial communication port that provides a direct external	8542.39.11	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85; multi-component integrated circuits (MCOs)	25.II.22
I. Electronics	X.A.1.001.a	Electronic devices and components. a. "Microprocessor microcircuits", "microcomputer microcircuits", and microcontroller microcircuits having any of the following: 1. A performance speed of 5 GigaFLOPS or more and an arithmetic logic unit with an access width of 32 bit or more; 2. A clock frequency rate exceeding 25 MHz; or 3. More than one data or instruction bus or serial communication port that provides a direct external	8542.39.19	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85	25.II.22
I. Electronics	X.A.1.001.a	Electronic devices and components. a. "Microprocessor microcircuits", "microcomputer microcircuits", and microcontroller microcircuits having any of the following: 1. A performance speed of 5 GigaFLOPS or more and an arithmetic logic unit with an access width of 32 bit or more; 2. A clock frequency rate exceeding 25 MHz; or 3. More than one data or instruction bus or serial communication port that provides a direct external	8542.39.90	Other electronic integrated circuits	25.II.22
I. Electronics	X.A.1.001.b	Electronic devices and components. b. Storage integrated circuits, as follows: 1. Electrically erasable programmable read-only memories (EEPROMs) with a storage capacity: a. Exceeding 16 Mbits per package for flash memory types; or b. Exceeding either of the following limits for all other EEPROM types: 1. Exceeding 1 Mbit per package; or 2. Exceeding 256 kbit per package and a maximum access time of less than 80 ns;	8542.32.45	Electronic integrated circuits as static random access memories "static RAMs", incl. cache random-access memories "cache-RAMs" (excl. in the form of multichip or multi-component integrated circuits)	25.II.22
I. Electronics	X.A.1.001.b	Electronic devices and components. b. Storage integrated circuits, as follows: 1. Electrically erasable programmable read-only memories (EEPROMs) with a storage capacity: a. Exceeding 16 Mbits per package for flash memory types; or b. Exceeding either of the following limits for all other EEPROM types: 1. Exceeding 1 Mbit per package; or 2. Exceeding 256 kbit per package and a maximum access time of less than 80 ns; 2. Static random access memories (SRAMs) with a storage capacity: a. Exceeding 1 Mbit per package; or b. Exceeding 256 kbit per package and a maximum access time of less than 25 ns;	8542.32.69	Electronic integrated circuits as electrically erasable, programmable read-only memories "flash E ² PROMs", with a storage capacity of > 512 Mbit (excl. in the form of multichip or multi-component integrated circuits)	25.II.22
I. Electronics	X.A.1.001.b	Electronic devices and components. b. Storage integrated circuits, as follows: 1. Electrically erasable programmable read-only memories (EEPROMs) with a storage capacity: a. Exceeding 16 Mbits per package for flash memory types; or b. Exceeding either of the following limits for all other EEPROM types: 1. Exceeding 1 Mbit per package; or 2. Exceeding 256 kbit per package and a maximum access time of less than 80 ns; 2. Static random access memories (SRAMs) with a storage capacity: a. Exceeding 1 Mbit per package; or b. Exceeding 256 kbit per package and a maximum access time of less than 25 ns;	8542.32.75	Electronic integrated circuits as electrically erasable, programmable read-only memories "E ² PROMs" (excl. flash E ² PROMs and in the form of multichip or multi-component integrated circuits)	25.II.22

I. Electronics	X.A.I.001.c	Electronic devices and components. 1. A resolution of 8 bit or more, but less than 12 bit, with an output rate greater than 200 Mega Samples Per Second (MSPS); 2. A resolution of 12 bit with an output rate greater than 105 Mega Samples per Second (MSPS); 3. A resolution of more than 12 bit but equal to or less than 14 bit with an output rate greater than 10 Mega Samples per Second (MSPS); or 4. A resolution of more than 14 bit with an output rate greater than 2,5 Mega Samples Per Second (MSPS);	8542.31.11	Electronic multi-component integrated circuits "MCOs" as processors and controllers as specified in note 9 (b) (4) to chapter 85, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	25.II.22
I. Electronics	X.A.I.001.c	Electronic devices and components. 1. A resolution of 8 bit or more, but less than 12 bit, with an output rate greater than 200 Mega Samples Per Second (MSPS); 2. A resolution of 12 bit with an output rate greater than 105 Mega Samples per Second (MSPS); 3. A resolution of more than 12 bit but equal to or less than 14 bit with an output rate greater than 10 Mega Samples per Second (MSPS); or 4. A resolution of more than 14 bit with an output rate greater than 2,5 Mega Samples Per Second (MSPS);	8542.31.19	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits in the form of multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits as specified in note 9 (b) (3) to chapter 85	25.II.22
I. Electronics	X.A.I.001.c	Electronic devices and components. 1. A resolution of 8 bit or more, but less than 12 bit, with an output rate greater than 200 Mega Samples Per Second (MSPS); 2. A resolution of 12 bit with an output rate greater than 105 Mega Samples per Second (MSPS); 3. A resolution of more than 12 bit but equal to or less than 14 bit with an output rate greater than 10 Mega Samples per Second (MSPS); or 4. A resolution of more than 14 bit with an output rate greater than 2,5 Mega Samples Per Second (MSPS);	8542.31.90	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits (excl. in the form of multichip or multi-component integrated circuits)	25.II.22
I. Electronics	X.A.I.001.c	Electronic devices and components. 1. A resolution of 8 bit or more, but less than 12 bit, with an output rate greater than 200 Mega Samples Per Second (MSPS); 2. A resolution of 12 bit with an output rate greater than 105 Mega Samples per Second (MSPS); 3. A resolution of more than 12 bit but equal to or less than 14 bit with an output rate greater than 10 Mega Samples per Second (MSPS); or 4. A resolution of more than 14 bit with an output rate greater than 2,5 Mega Samples Per Second (MSPS);	8542.39.11	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85; multi-component integrated circuits (MCOs)	25.II.22
I. Electronics	X.A.I.001.c	Electronic devices and components. 1. A resolution of 8 bit or more, but less than 12 bit, with an output rate greater than 200 Mega Samples Per Second (MSPS); 2. A resolution of 12 bit with an output rate greater than 105 Mega Samples per Second (MSPS); 3. A resolution of more than 12 bit but equal to or less than 14 bit with an output rate greater than 10 Mega Samples per Second (MSPS); or 4. A resolution of more than 14 bit with an output rate greater than 2,5 Mega Samples Per Second (MSPS);	8542.39.19	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85	25.II.22
I. Electronics	X.A.I.001.c	Electronic devices and components. 1. A resolution of 8 bit or more, but less than 12 bit, with an output rate greater than 200 Mega Samples Per Second (MSPS); 2. A resolution of 12 bit with an output rate greater than 105 Mega Samples per Second (MSPS); 3. A resolution of more than 12 bit but equal to or less than 14 bit with an output rate greater than 10 Mega Samples per Second (MSPS); or 4. A resolution of more than 14 bit with an output rate greater than 2,5 Mega Samples Per Second (MSPS);	8542.39.90	Other electronic integrated circuits	25.II.22
I. Electronics	X.A.I.001.d	Electronic devices and components. d. Field programmable logic devices having a maximum number of single-ended digital input/outputs between 200 and 700;	8542.31.11	Electronic multi-component integrated circuits "MCOs" as processors and controllers as specified in note 9 (b) (4) to chapter 85, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	25.II.22
I. Electronics	X.A.I.001.d	Electronic devices and components. d. Field programmable logic devices having a maximum number of single-ended digital input/outputs between 200 and 700;	8542.31.19	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits in the form of multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits as specified in note 9 (b) (3) to chapter 85	25.II.22
I. Electronics	X.A.I.001.d	Electronic devices and components. d. Field programmable logic devices having a maximum number of single-ended digital input/outputs between 200 and 700;	8542.31.90	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits (excl. in the form of multichip or multi-component integrated circuits)	25.II.22
I. Electronics	X.A.I.001.d	Electronic devices and components. d. Field programmable logic devices having a maximum number of single-ended digital input/outputs between 200 and 700;	8542.39.11	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85; multi-component integrated circuits (MCOs)	25.II.22

I. Electronics	X.A.I.001.d	Electronic devices and components. d. Field programmable logic devices having a maximum number of single-ended digital input/outputs between 200 and 700;	8542.39.19	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85	25.II.22
I. Electronics	X.A.I.001.d	Electronic devices and components. d. Field programmable logic devices having a maximum number of single-ended digital input/outputs between 200 and 700;	8542.39.90	Other electronic integrated circuits	25.II.22
I. Electronics	X.A.I.001.e	Electronic devices and components. e. Fast Fourier Transform (FFT) processors having a rated execution time for a 1 024 point complex FFT of less than 1 ms;	8542.31.11	Electronic multi-component integrated circuits "MCOs" as processors and controllers as specified in note 9 (b) (4) to chapter 85, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	25.II.22
I. Electronics	X.A.I.001.e	Electronic devices and components. e. Fast Fourier Transform (FFT) processors having a rated execution time for a 1 024 point complex FFT of less than 1 ms;	8542.31.19	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits in the form of multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits as specified in note 9 (b) (3) to chapter 85	25.II.22
I. Electronics	X.A.I.001.e	Electronic devices and components. e. Fast Fourier Transform (FFT) processors having a rated execution time for a 1 024 point complex FFT of less than 1 ms;	8542.31.90	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits (excl. in the form of multichip or multi-component integrated circuits)	25.II.22
I. Electronics	X.A.I.001.e	Electronic devices and components. e. Fast Fourier Transform (FFT) processors having a rated execution time for a 1 024 point complex FFT of less than 1 ms;	8542.39.11	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85; multi-component integrated circuits (MCOs)	25.II.22
I. Electronics	X.A.I.001.e	Electronic devices and components. e. Fast Fourier Transform (FFT) processors having a rated execution time for a 1 024 point complex FFT of less than 1 ms;	8542.39.19	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85	25.II.22
I. Electronics	X.A.I.001.e	Electronic devices and components. e. Fast Fourier Transform (FFT) processors having a rated execution time for a 1 024 point complex FFT of less than 1 ms;	8542.39.90	Other electronic integrated circuits	25.II.22
I. Electronics	X.A.I.001.f	Electronic devices and components. f. Custom integrated circuits for which the function is unknown, or the control status of the equipment in which the integrated circuits will be used is unknown to the manufacturer, having any of the following: 1. More than 144 terminals; or 2. A typical basic propagation delay time of less than 0,4 ns;	8542.31.11	Electronic multi-component integrated circuits "MCOs" as processors and controllers as specified in note 9 (b) (4) to chapter 85, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	25.II.22
I. Electronics	X.A.I.001.f	Electronic devices and components. f. Custom integrated circuits for which the function is unknown, or the control status of the equipment in which the integrated circuits will be used is unknown to the manufacturer, having any of the following: 1. More than 144 terminals; or 2. A typical basic propagation delay time of less than 0,4 ns;	8542.31.19	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits in the form of multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits as specified in note 9 (b) (3) to chapter 85	25.II.22

I. Electronics	X.A.I.001.f	Electronic devices and components. f. Custom integrated circuits for which the function is unknown, or the control status of the equipment in which the integrated circuits will be used is unknown to the manufacturer, having any of the following: 1. More than 144 terminals; or 2. A typical basic propagation delay time of less than 0,4 ns;	8542.31.90	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits (excl. in the form of multichip or multi-component integrated circuits)	25.II.22
I. Electronics	X.A.I.001.f	Electronic devices and components. f. Custom integrated circuits for which the function is unknown, or the control status of the equipment in which the integrated circuits will be used is unknown to the manufacturer, having any of the following: 1. More than 144 terminals; or 2. A typical basic propagation delay time of less than 0,4 ns;	8542.39.11	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85; multi-component integrated circuits (MCOs)	25.II.22
I. Electronics	X.A.I.001.f	Electronic devices and components. f. Custom integrated circuits for which the function is unknown, or the control status of the equipment in which the integrated circuits will be used is unknown to the manufacturer, having any of the following: 1. More than 144 terminals; or 2. A typical basic propagation delay time of less than 0,4 ns;	8542.39.19	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85	25.II.22
I. Electronics	X.A.I.001.f	Electronic devices and components. f. Custom integrated circuits for which the function is unknown, or the control status of the equipment in which the integrated circuits will be used is unknown to the manufacturer, having any of the following: 1. More than 144 terminals; or 2. A typical basic propagation delay time of less than 0,4 ns;	8542.39.90	Other electronic integrated circuits	25.II.22
I. Electronics	X.A.I.001.g	Electronic devices and components. g. Traveling-wave "vacuum electronic devices", pulsed or continuous wave, as follows: 1. Coupled cavity devices, or derivatives thereof; 2. Devices based on helix, folded waveguide, or serpentine waveguide circuits, or derivatives thereof, having any of the following: a. An "instantaneous bandwidth" of half an octave or more and average power (expressed in kW) times frequency (expressed in GHz) of more than 0,2; or	8540.79.00	Other thermionic, cold cathode or photocathode valves and tubes	25.II.22
I. Electronics	X.A.I.001.g	Electronic devices and components. g. Traveling-wave "vacuum electronic devices", pulsed or continuous wave, as follows: 1. Coupled cavity devices, or derivatives thereof; 2. Devices based on helix, folded waveguide, or serpentine waveguide circuits, or derivatives thereof, having any of the following: a. An "instantaneous bandwidth" of half an octave or more and average power (expressed in kW) times frequency (expressed in GHz) of more than 0,2; or	8542.31.11	Electronic multi-component integrated circuits "MCOs" as processors and controllers as specified in note 9 (b) (4) to chapter 85, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	25.II.22
I. Electronics	X.A.I.001.g	Electronic devices and components. g. Traveling-wave "vacuum electronic devices", pulsed or continuous wave, as follows: 1. Coupled cavity devices, or derivatives thereof; 2. Devices based on helix, folded waveguide, or serpentine waveguide circuits, or derivatives thereof, having any of the following: a. An "instantaneous bandwidth" of half an octave or more and average power (expressed in kW) times frequency (expressed in GHz) of more than 0,2; or	8542.31.19	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits in the form of multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits as specified in note 9 (b) (3) to chapter 85	25.II.22
I. Electronics	X.A.I.001.g	Electronic devices and components. g. Traveling-wave "vacuum electronic devices", pulsed or continuous wave, as follows: 1. Coupled cavity devices, or derivatives thereof; 2. Devices based on helix, folded waveguide, or serpentine waveguide circuits, or derivatives thereof, having any of the following: a. An "instantaneous bandwidth" of half an octave or more and average power (expressed in kW) times frequency (expressed in GHz) of more than 0,2; or	8542.31.90	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits (excl. in the form of multichip or multi-component integrated circuits)	25.II.22
I. Electronics	X.A.I.001.g	Electronic devices and components. g. Traveling-wave "vacuum electronic devices", pulsed or continuous wave, as follows: 1. Coupled cavity devices, or derivatives thereof; 2. Devices based on helix, folded waveguide, or serpentine waveguide circuits, or derivatives thereof, having any of the following: a. An "instantaneous bandwidth" of half an octave or more and average power (expressed in kW) times frequency (expressed in GHz) of more than 0,2; or	8542.39.11	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85; multi-component integrated circuits (MCOs)	25.II.22
I. Electronics	X.A.I.001.g	Electronic devices and components. g. Traveling-wave "vacuum electronic devices", pulsed or continuous wave, as follows: 1. Coupled cavity devices, or derivatives thereof; 2. Devices based on helix, folded waveguide, or serpentine waveguide circuits, or derivatives thereof, having any of the following: a. An "instantaneous bandwidth" of half an octave or more and average power (expressed in kW) times frequency (expressed in GHz) of more than 0,2; or	8542.39.19	Other electronic integrated circuits; goods specified in note 12(b)(3 and 4) to the chapter 85	25.II.22

I. Electronics	X.A.I.001.g	Electronic devices and components. g. Traveling-wave "vacuum electronic devices", pulsed or continuous wave, as follows: 1. Coupled cavity devices, or derivatives thereof; 2. Devices based on helix, folded waveguide, or serpentine waveguide circuits, or derivatives thereof, having any of the following: a. An "instantaneous bandwidth" of half an octave or more and average power (expressed in kW) times frequency (expressed in GHz) of more than 0.2; or b. A product of the maximum delay time and bandwidth (time in μ s and bandwidth in MHz) of more than 100.	8542.39.90	Other electronic integrated circuits	25.II.22
I. Electronics	X.A.I.001.h	Electronic devices and components. Flexible waveguides designed for use at frequencies exceeding 40 GHz;	8543.30.70	Machines and apparatus for electroplating, electrolysis or electrophoresis (excl. electroplating and electrolysis machines of a kind used solely or principally for the manufacture of printed circuits)	25.II.22
I. Electronics	X.A.I.001.i	Electronic devices and components. i. Surface acoustic wave and surface skimming (shallow bulk) acoustic wave devices, having either of the following: 1. A carrier frequency exceeding 1 GHz; or 2. A carrier frequency of 1 GHz or less; and a. A "frequency side-lobe rejection" exceeding 55 dB; b. A product of the maximum delay time and bandwidth (time in μ s and bandwidth in MHz) of more than 100.	8541.60.00	Mounted piezo-electric crystals	25.II.22
I. Electronics	X.A.I.001.i	Electronic devices and components. i. Surface acoustic wave and surface skimming (shallow bulk) acoustic wave devices, having either of the following: 1. A carrier frequency exceeding 1 GHz; or 2. A carrier frequency of 1 GHz or less; and a. A "frequency side-lobe rejection" exceeding 55 dB; b. A product of the maximum delay time and bandwidth (time in μ s and bandwidth in MHz) of more than 100.	8543.70.06	Digital signal processing apparatus capable of connecting to a wired or wireless network for the mixing of sound	25.II.22
I. Electronics	X.A.I.001.j	Electronic devices and components. "Cells" as follows: 1. 'Primary cells' having an 'energy density' of 550 Wh/kg or less at 293 K (20°C); 2. 'Secondary cells' having an 'energy density' of 350 Wh/kg or less at 293 K (20°C); Note: X.A.I.001.j does not control batteries, including single cell batteries. Technical Notes: 1. For the purpose of X.A.I.001.j energy density (Wh/kg) is calculated from the nominal voltage multiplied by the nominal capacity (Ah/kg).	8506.50.10	Lithium cells and batteries, in the form of cylindrical cells (excl. spent)	25.II.22
I. Electronics	X.A.I.001.j	Electronic devices and components. "Cells" as follows: 1. 'Primary cells' having an 'energy density' of 550 Wh/kg or less at 293 K (20°C); 2. 'Secondary cells' having an 'energy density' of 350 Wh/kg or less at 293 K (20°C); Note: X.A.I.001.j does not control batteries, including single cell batteries. Technical Notes: 1. For the purpose of X.A.I.001.j energy density (Wh/kg) is calculated from the nominal voltage multiplied by the nominal capacity (Ah/kg).	8506.50.90	Lithium cells and batteries (excl. spent, and in the form of cylindrical or button cells)	25.II.22
I. Electronics	X.A.I.001.j	Electronic devices and components. "Cells" as follows: 1. 'Primary cells' having an 'energy density' of 550 Wh/kg or less at 293 K (20°C); 2. 'Secondary cells' having an 'energy density' of 350 Wh/kg or less at 293 K (20°C); Note: X.A.I.001.j does not control batteries, including single cell batteries. Technical Notes: 1. For the purpose of X.A.I.001.j energy density (Wh/kg) is calculated from the nominal voltage multiplied by the nominal capacity (Ah/kg).	8507.60.00	Lithium-ion accumulators (excl. spent)	25.II.22
I. Electronics	X.A.I.001.k	Electronic devices and components. "Superconductive" electromagnets or solenoids specially designed to be fully charged or discharged in less than one minute, having all of the following: Note: X.A.I.001.k does not control "superconductive" electromagnets or solenoids designed for Magnetic Resonance Imaging (MRI) medical equipment. 1. Maximum energy delivered during the discharge divided by the duration of the discharge of more than 500 Wh per minute.	8505.90.29	Electromagnets; electromagnetic or permanent magnet chucks, clamps and similar holding devices (excl. electromagnets used for magnetic resonance imaging apparatus)	25.II.22
I. Electronics	X.A.I.001.l	Electronic devices and components. l. Circuits or systems for electromagnetic energy storage, containing components manufactured from "superconductive" materials specially designed for operation at temperatures below the "critical temperature" of at least one of their "superconductive" constituents, having all of the following: 1. Resonant operating frequencies exceeding 1 MHz; 2. A stored energy density of 1 MJ/m ³ or more; and 3. A critical temperature of 10 K or below.	8504.40.95	Other static converters	25.II.22
I. Electronics	X.A.I.001.l	Electronic devices and components. l. Circuits or systems for electromagnetic energy storage, containing components manufactured from "superconductive" materials specially designed for operation at temperatures below the "critical temperature" of at least one of their "superconductive" constituents, having all of the following: 1. Resonant operating frequencies exceeding 1 MHz; 2. A stored energy density of 1 MJ/m ³ or more; and 3. A critical temperature of 10 K or below.	8504.50.00	Inductors (excl. inductors for discharge lamps or tubes)	25.II.22

I. Electronics	X.A.I.001.m	Electronic devices and components. m. Hydrogen/hydrogen-isotope thyratrons of ceramic-metal construction and rate for a peak current of 500 A or more;	8540.89.00	Electronic valves and tubes (excl. receiver or amplifier valves and tubes, microwave tubes, photo-cathode tubes, cathode ray tubes, black and white or other monochrome data-graphic display tubes and colour data-graphic display tubes with a phosphor dot screen pitch of < 0,4 mm)	25.II.22	
I. Electronics	X.A.I.001.n	Electronic devices and components. n. Ceramic frequency filters;	8529.10.11	Parts suitable for use solely or principally with telescopic and whip-type aerials for portable apparatus or for apparatus for fitting in motor vehicles	23.VI.23	
I. Electronics	X.A.I.001.n	Electronic devices and components. n. Ceramic frequency filters;	8529.10.30	Parts suitable for use solely or principally with outside aerials for radio or television broadcast receivers	23.VI.23	
I. Electronics	X.A.I.001.n	Electronic devices and components. n. Ceramic frequency filters;	8529.10.65	Parts suitable for use solely or principally with inside aerials for radio or television broadcast receivers, including built-in types	23.VI.23	
I. Electronics	X.A.I.001.n	Electronic devices and components. n. Ceramic frequency filters;	8529.10.69	Parts suitable for use solely or principally with aerials and aerial reflectors of all kinds	23.VI.23	
I. Electronics	X.A.I.001.n	Electronic devices and components. n. Ceramic frequency filters;	8529.10.80	Parts suitable for use solely or principally with aerial filters and separators	23.VI.23	
I. Electronics	X.A.I.001.n	Electronic devices and components. n. Ceramic frequency filters;	8529.90.30	Parts suitable for use solely or principally with electronic assemblies	23.VI.23	
I. Electronics	X.A.I.001.n	Electronic devices and components. n. Ceramic frequency filters;	8529.90.96	Parts suitable for use solely or principally with other apparatus of headings 8524 to 8528	23.VI.23	
I. Electronics	X.A.I.001.o	Electronic devices and components. o. Solar cells, cell-interconnect-coverglass (CIC) assemblies, solar panels, and solar arrays, which are 'space qualified' and not controlled by 3A001.e.4	8541.42.00	Photovoltaic cells not assembled in modules or made up into panels	25.II.22	
I. Electronics	X.A.I.001.o	Electronic devices and components. o. Solar cells, cell-interconnect-coverglass (CIC) assemblies, solar panels, and solar arrays, which are 'space qualified' and not controlled by 3A001.e.4	8541.43.00	Photovoltaic cells assembled in modules or made up into panels	25.II.22	

I. Electronics	X.A.I.001.p	Electronic devices and components. p. Cermet trimmers;	8533.40.10	Other variable resistors, including rheostats and potentiometers; For a power handling capacity not exceeding 20 W	23.VI.23
I. Electronics	X.A.I.001.p	Electronic devices and components. p. Cermet trimmers;	8533.40.90	Other variable resistors, including rheostats and potentiometers; other	23.VI.23
I. Electronics	X.A.I.001.q	Electronic devices and components. q.'Surface Mounted Device (SMD) inductors	8504.50.00	Other inductors	23.X.25
I. Electronics	X.A.I.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.10.00	Instruments and apparatus for measuring or detecting ionising radiations	25.II.22
I. Electronics	X.A.I.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.20.00	Oscilloscopes and oscillographs	25.II.22
I. Electronics	X.A.I.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.31.00	Multimeters for voltage, current, resistance or electrical power, without recording device	25.II.22
I. Electronics	X.A.I.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.32.00	Multimeters with recording device	25.II.22
I. Electronics	X.A.I.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.33.20	Resistance measuring instruments without recording device	25.II.22
I. Electronics	X.A.I.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.33.70	Instruments and apparatus for measuring or checking voltage, current or electrical power, without recording device (excl. multimeters, oscilloscopes and oscillographs)	25.II.22
I. Electronics	X.A.I.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.39.00	Instruments and apparatus for measuring or checking voltage, current, resistance or electrical power, with recording device (excl. multimeters, and oscilloscopes and oscillographs)	25.II.22

I. Electronics	X.A.1.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.40.00	Instruments and apparatus for measuring or checking electrical quantities, specifically for telecommunications, e.g. cross-talk meters, gain measuring instruments, distortion factor meters, psophometers	25.II.22
I. Electronics	X.A.1.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.82.00	Instruments and apparatus for measuring or checking semiconductor wafers or devices	25.II.22
I. Electronics	X.A.1.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.84.00	Instruments and apparatus for measuring or checking electrical quantities, with recording device (excl. appliances specially designed for telecommunications, multimeters, oscilloscopes and oscillographs, and apparatus for measuring or checking semiconductor wafers or devices)	25.II.22
I. Electronics	X.A.1.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.89.00	Instruments and apparatus for measuring or checking electrical quantities, without recording device, n.e.s.	25.II.22
I. Electronics	X.A.1.002.a	General purpose "electronic assemblies", modules and equipment. a. Electronic test equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9030.90.00	Parts and accessories for instruments and apparatus for measuring or checking electrical quantities or for detecting ionising radiations, n.e.s.	25.II.22
I. Electronics	X.A.1.002.b	General purpose "electronic assemblies", modules and equipment. b. Digital instrumentation magnetic tape data recorders having any of the following characteristics; 1. A maximum digital interface transfer rate exceeding 60 Mbit/s and employing helical scan techniques; 2. A maximum digital interface transfer rate exceeding 120 Mbit/s and employing fixed head techniques; or 3. "Space qualified";	8542.31.11	Electronic multi-component integrated circuits "MCOs" as processors and controllers as specified in note 12 (b) (4) to chapter 85, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	25.II.22
I. Electronics	X.A.1.002.b	Digital instrumentation magnetic tape data recorders having any of the following characteristics; 1. A maximum digital interface transfer rate exceeding 60 Mbit/s and employing helical scan techniques; 2. A maximum digital interface transfer rate exceeding 120 Mbit/s and employing fixed head techniques; or 3. "Space qualified";	8542.31.19	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits in the form of multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits as specified in note 12 (b) (3) to chapter 85	25.II.22
I. Electronics	X.A.1.002.c	General purpose "electronic assemblies", modules and equipment. c. Equipment, with a maximum digital interface transfer rate exceeding 60 Mbit/s, designed to convert digital video magnetic tape recorders for use as digital instrumentation data recorders;	8542.31.11	Electronic multi-component integrated circuits "MCOs" as processors and controllers as specified in note 12 (b) (4) to chapter 85, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	25.II.22
I. Electronics	X.A.1.002.c	General purpose "electronic assemblies", modules and equipment. c. Equipment, with a maximum digital interface transfer rate exceeding 60 Mbit/s, designed to convert digital video magnetic tape recorders for use as digital instrumentation data recorders;	8542.31.19	Electronic integrated circuits as processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits in the form of multichip integrated circuits consisting of two or more interconnected monolithic integrated circuits as specified in note 12 (b) (3) to chapter 85	25.II.22
I. Electronics	X.A.1.002.d	General purpose "electronic assemblies", modules and equipment. d. Non-modular analogue oscilloscopes having a bandwidth of 1 GHz or greater;	9030.20.00	Oscilloscopes and oscillographs	25.II.22

I. Electronics	X.A.I.002.e	General purpose "electronic assemblies", modules and equipment. e. Modular analogue oscilloscope systems having either of the following characteristics: 1. A mainframe with a bandwidth of 1 GHz or greater; or 2. Plug-in modules with an individual bandwidth of 4 GHz or greater;	9030.20.00	Oscilloscopes and oscillographs	25.II.22
I. Electronics	X.A.I.002.f	General purpose "electronic assemblies", modules and equipment. f. Analogue sampling oscilloscopes for the analysis of recurring phenomena with an effective bandwidth greater than 4 GHz;	9030.20.00	Oscilloscopes and oscillographs	25.II.22
I. Electronics	X.A.I.002.g	General purpose "electronic assemblies", modules and equipment. Digital oscilloscopes and transient recorders, using analogue-to-digital conversion techniques, capable of storing transients by sequentially sampling single-shot inputs at successive intervals of less than 1 ns (greater than 1 Giga Samples per Second (GSPS)), digitising to 8 bits or greater resolution and storing 256 or more samples.	9030.20.00	Oscilloscopes and oscillographs	25.II.22
I. Electronics	X.A.I.003.a	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: a. Frequency changers and their specially designed components, other than those specified in the CML or in Regulation (EU) 2021/821;	8504.40.84	Inverters with maximum power point tracking functionality	25.II.22
I. Electronics	X.A.I.003.a	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: a. Frequency changers and their specially designed components, other than those specified in the CML or in Regulation (EU) 2021/821;	8504.40.87	Inverters others than with maximum power point tracking functionality	25.II.22
I. Electronics	X.A.I.003.a	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: a. Frequency changers and their specially designed components, other than those specified in the CML or in Regulation (EU) 2021/821;	8504.40.95	Other Static converters	25.II.22
I. Electronics	X.A.I.003.b	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: b. Mass spectrometers, other than those specified in the CML or in Regulation (EU) 2021/821;	9027.81.00	Mass spectrometers	25.II.22
I. Electronics	X.A.I.003.c	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: c. All flash X-ray machines, or components of pulsed power systems designed thereof, including Marx generators, high power pulse shaping networks, high voltage capacitors, and triggers;	9022.19.00	Apparatus based on the use of X-rays (other than for medical, surgical, dental or veterinary uses)	25.II.22
I. Electronics	X.A.I.003.c	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: c. All flash X-ray machines, or components of pulsed power systems designed thereof, including Marx generators, high power pulse shaping networks, high voltage capacitors, and triggers;	9022.29.00	Apparatus based on the use of alpha, beta or gamma radiations (other than for medical, surgical, dental or veterinary uses)	25.II.22
I. Electronics	X.A.I.003.c	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: c. All flash X-ray machines, or components of pulsed power systems designed thereof, including Marx generators, high power pulse shaping networks, high voltage capacitors, and triggers;	9022.30.00	X-ray tubes	25.II.22

I. Electronics	X.A.I.003.c	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: c. All flash X-ray machines, or components of pulsed power systems designed thereof, including Marx generators, high power pulse shaping networks, high voltage capacitors, and triggers;	9022.90.20	Parts and accessories of apparatus based on the use of X-rays	25.II.22
I. Electronics	X.A.I.003.d	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: d. Pulse amplifiers, other than those specified in the CML or in Regulation (EU) 2021/821;	8543.70.02	Microwave amplifiers	25.II.22
I. Electronics	X.A.I.003.d	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: d. Pulse amplifiers, other than those specified in the CML or in Regulation (EU) 2021/821;	8543.70.30	Aerial amplifiers	25.II.22
I. Electronics	X.A.I.003.d	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: d. Pulse amplifiers, other than those specified in the CML or in Regulation (EU) 2021/821;	8543.70.90	Electrical machines and apparatus, having individual functions, n.e.s. in chap. 85	25.II.22
I. Electronics	X.A.I.003.e	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: e. Electronic equipment for time delay generation or time interval measurement, as follows: 1. Digital time delay generators with a resolution of 50 ns or less over time intervals of 1 µs or greater; or 2. Multi-channel (three or more) or modular time interval meter and chronometry equipment with resolution of 50 ns or less over time intervals of 1 µs or greater;	9027.89.90	Instruments and apparatus for physical or chemical analysis or for determining surface tension or the like, or for measuring heat or sound, n.e.s.	25.II.22
I. Electronics	X.A.I.003.f	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: f. Chromatography and spectrometry analytical instruments.	9027.20.00	Chromatographs and electrophoresis instruments	25.II.22
I. Electronics	X.A.I.003.f	Specific processing equipment, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: f. Chromatography and spectrometry analytical instruments.	9027.30.00	Spectrometers, spectrophotometers and spectrographs using optical radiations, such as UV, visible, IR	25.II.22
I. Electronics	X.B.I.001.a	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: a. Equipment specially designed for the manufacture of electron tubes, optical elements and specially designed components therefor controlled by 3A001 or X.A.I.001;	8464.20.11	Grinding or polishing machines, for cold-working optical glass	25.II.22
I. Electronics	X.B.I.001.a	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: a. Equipment specially designed for the manufacture of electron tubes, optical elements and specially designed components therefor controlled by 3A001 or X.A.I.001;	8475.10.00	Machines for assembling electric or electronic lamps, tubes or valves or flashbulbs, in glass envelopes	25.II.22

I. Electronics	X.B.I.001.b.1.a	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows: Note: X.B.I.001 does not control quartz furnace tubes, furnace liners, paddles, boats (except specially designed caged boats), bubblers, cassettes or crucibles specially designed for the processing equipment controlled by X.B.I.001.b.1. a. Equipment for producing polycrystalline silicon and materials controlled by 3C001 ;	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.b	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.c	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.d	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows: Note: X.B.I.001 does not control quartz furnace tubes, furnace liners, paddles, boats (except specially designed caged boats), bubblers, cassettes or crucibles specially designed for the processing equipment controlled by X.B.I.001.b.1. d. "Stored program controlled" ' equipment for epitaxial growth having any of the following characteristics: 1. Capable of producing silicon layer with a thickness uniform to less than $\pm 2,5$ % across a distance of 200 mm or more; 2. Capable of producing a layer of any material other than silicon with a thickness uniformity across the wafer of equal to or better than $\pm 3,5$ %; or	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.e	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.f	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.g	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.h	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.i	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22

I. Electronics	X.B.I.001.b.1.j	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.k	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.l	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows:	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.1.m	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows: Note: X.B.I.001 does not control quartz furnace tubes, furnace liners, paddles, boats (except specially designed caged boats), bubblers, cassettes or crucibles specially designed for the processing equipment controlled by X.B.I.001.b.1. m. "Stored program controlled" / equipment using "lasers" for the repair or trimming of "monolithic integrated circuits" with either of the following characteristics: 1. Positioning accuracy less than $\pm 1 \mu\text{m}$; or 2. Spot size (kerf width) less than $3 \mu\text{m}$.	9011.20.10	Photomicrographic optical microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles (excl. stereoscopic microscopes)	25.II.22
I. Electronics	X.B.I.001.b.1.m	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 1. Equipment for the processing of materials for the manufacture of devices and components as specified in the heading of X.B.I.001.b, as follows: Note: X.B.I.001 does not control quartz furnace tubes, furnace liners, paddles, boats (except specially designed caged boats), bubblers, cassettes or crucibles specially designed for the processing equipment controlled by X.B.I.001.b.1. m. "Stored program controlled" / equipment using "lasers" for the repair or trimming of "monolithic integrated circuits" with either of the following characteristics: 1. Positioning accuracy less than $\pm 1 \mu\text{m}$; or 2. Spot size (kerf width) less than $3 \mu\text{m}$.	9031.41.00	Optical instruments and appliances for inspecting semiconductor wafers or devices or for inspecting photomasks or reticles used in manufacturing semiconductor devices	25.II.22
I. Electronics	X.B.I.001.b.2.a	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 2. Masks, mask substrates, mask-making equipment and image transfer equipment for the manufacture of devices and components as specified in the heading of X.B.I.001, as follows: Note: The term masks refers to those used in electron beam lithography, X-ray lithography, and ultraviolet lithography, as well as the usual ultraviolet and visible photo-lithography. a. Finished masks, reticles and designs therefor, except: 1. Finished masks or reticles for the production of integrated circuits not controlled by 3A001; or 2. Masks or reticles, having both of the following characteristics: a. Their design is based on geometries of $2,5 \mu\text{m}$ or more; and b. The design does not include special features to alter the intended use by means of production equipment or "software";	3705.00.90	Photographic plates and film, exposed and developed, other than cinematographic film and for offset reproduction	25.II.22

I. Electronics	X.B.I.001.b.2.b	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 2. Masks, mask substrates, mask-making equipment and image transfer equipment for the manufacture of devices and components as specified in the heading of X.B.I.001, as follows: Note: The term masks refers to those used in electron beam lithography, X-ray lithography, and ultraviolet lithography, as well as the usual ultraviolet and visible photo-lithography. b. Mask substrates as follows: 1. Hard surface (e.g., chromium, silicon, molybdenum) coated "substrates" (e.g., glass, quartz, sapphire) for the preparation of masks having dimensions exceeding 125 mm x 125 mm; or 2. Substrates specially designed for X-ray masks;	3701.99.00	Photographic plates and film in the flat, sensitised, unexposed, of any material other than paper, paperboard or textiles; instant print film in the flat, sensitised, unexposed, whether or not in packs	25.II.22
I. Electronics	X.B.I.001.b.2.c	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 2. Masks, mask substrates, mask-making equipment and image transfer equipment for the manufacture of devices and components as specified in the heading of X.B.I.001, as follows: Note: The term masks refers to those used in electron beam lithography, X-ray lithography, and ultraviolet lithography, as well as the usual ultraviolet and visible photo-lithography. Equipment, other than general purpose computers, specially designed for computer aided design (CAD) of semiconductor devices or integrated circuits;	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.2.d	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 2. Masks, mask substrates, mask-making equipment and image transfer equipment for the manufacture of	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.2.e	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 2. Masks, mask substrates, mask-making equipment and image transfer equipment for the manufacture of	9011.20.10	Photomicrographic optical microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles (excl. stereoscopic microscopes)	25.II.22
I. Electronics	X.B.I.001.b.2.e	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 2. Masks, mask substrates, mask-making equipment and image transfer equipment for the manufacture of	9031.41.00	Optical instruments and appliances for inspecting semiconductor wafers or devices or for inspecting photomasks or reticles used in manufacturing semiconductor devices	25.II.22
I. Electronics	X.B.I.001.b.2.f	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices.	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22
I. Electronics	X.B.I.001.b.2.g	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 2. Masks, mask substrates, mask-making equipment and image transfer equipment for the manufacture of	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	25.II.22

I. Electronics	X.B.I.001.b.2.h	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 2. Masks, mask substrates, mask-making equipment and image transfer equipment for the manufacture of devices and components as specified in the heading of X.B.I.001, as follows: Note: The term masks refers to those used in electron beam lithography, X-ray lithography, and ultraviolet lithography, as well as the usual ultraviolet and visible photo-lithography. h. Equipment using "lasers" for direct write on wafers capable of producing patterns less than 2,5 µm.	8486.20.00	Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	25.II.22
I. Electronics	X.B.I.001.b.3.a	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor:	8486.20.00	Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	25.II.22
I. Electronics	X.B.I.001.b.3.b	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and	8486.20.00	Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	25.II.22
I. Electronics	X.B.I.001.b.3.c	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 3. Equipment for the assembly of integrated circuits, as follows: c. Semi-automatic or automatic hot cap sealers, in which the cap is heated locally to a higher temperature than the body of the package, specially designed for ceramic microcircuit packages controlled by 3A001 and that have a throughput equal to or more than one package per minute.	8486.20.00	Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	25.II.22
I. Electronics	X.B.I.001.b.4	Equipment for the manufacture of electronic components or materials, as follows and specially designed components and accessories therefor: b. Equipment specially designed for the manufacture of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.001.b. also controls equipment used or modified for use in the manufacture of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices. 4. Filter for clean room capable of providing an air environment of 10 or less particles of 0.2 µm or smaller	8421.99.90	Parts of machinery and apparatus for filtering or purifying liquids or gases, n.e.s.	25.II.22
I. Electronics	X.B.I.002.a	Equipment for the inspection or testing of electronic components and materials, and specially designed components and accessories therefor. a. Equipment specially designed for the inspection or testing of electron tubes, optical elements and specially designed components therefor controlled by 3A001 or X.A.I.001;	9031.80.80	Non-optical instruments, appliances and machines for measuring or checking, n.e.s. in Chapter 90	25.II.22
I. Electronics	X.B.I.002.b	Equipment for the inspection or testing of electronic components and materials, and specially designed components and accessories therefor. b. Equipment specially designed for the inspection or testing of semiconductor devices, integrated circuits and "electronic assemblies", as follows, and systems incorporating or having the characteristics of such equipment: Note: X.B.I.002.b also controls equipment used or modified for use in the inspection or testing of other devices, such as imaging devices, electro-optical devices, acoustic-wave devices.	9030.82.00	Instruments and apparatus for measuring or checking semiconductor wafers or devices	25.II.22
I. Electronics	X.B.I.002.b	Equipment for the inspection or testing of electronic components and materials, and specially designed components and accessories therefor. 1. 'Stored program controlled' inspection equipment for the automatic detection of defects, errors or contaminants of 0,6 µm or less in or on processed wafers, substrates, other than printed circuit boards or chips, using optical image acquisition techniques for pattern comparison; Note: X.B.I.002.b.1 does not control general purpose scanning electron microscopes, except when specially designed and instrumented for automatic pattern inspection	9031.41.00	Optical instruments and appliances for inspecting semiconductor wafers or devices or for inspecting photomasks or reticles used in manufacturing semiconductor devices	25.II.22
I. Electronics	X.B.I.003.a	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: a. Film processing equipment;	8424.89.40	Mechanical appliances for projecting, dispersing, or spraying of a kind used solely or principally for the manufacture of printed circuits or printed circuit assemblies	23.VI.23
I. Electronics	X.B.I.003.b	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: b. Solder mask coating equipment;	8424.89.40	Mechanical appliances for projecting, dispersing, or spraying of a kind used solely or principally for the manufacture of printed circuits or printed circuit assemblies	23.VI.23

I. Electronics	X.B.I.003.c	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: c. Photo plotter equipment;	8479.89.70	Automated electronic component placement machines of a kind used solely or principally for the manufacture of printed circuit assemblies	23.VI.23
I. Electronics	X.B.I.003.d	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: d. Plating or electroplating deposition equipment;	8543.30.40	Electroplating and electrolysis machines of a kind used solely or principally for the manufacture of printed circuits	23.VI.23
I. Electronics	X.B.I.003.e	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: e. Vacuum chambers and presses;	8479.89.70	Automated electronic component placement machines of a kind used solely or principally for the manufacture of printed circuit assemblies	23.VI.23
I. Electronics	X.B.I.003.e	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: e. Vacuum chambers and presses;	8486.40.00	Machines and apparatus specified in note 11(C) to chapter 84	23.VI.23
I. Electronics	X.B.I.003.f	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: f. Roll laminators;	8420.10.81	Roll laminators of a kind used solely or principally for the manufacture of printed circuit substrates or printed circuits	23.VI.23
I. Electronics	X.B.I.003.g	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: g. Alignment equipment	8479.89.70	Automated electronic component placement machines of a kind used solely or principally for the manufacture of printed circuit assemblies	23.VI.23
I. Electronics	X.B.I.003.g	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: g. Alignment equipment	8479.90.15	Parts of machines of subheading 8479.89.70	23.VI.23
I. Electronics	X.B.I.003.h	X.B.I.003 Equipment for the manufacture of Printed Circuit Boards (PCBs) and specially designed components and accessories therefor, as follows: h. Etching equipment.	8479.89.70	Automated electronic component placement machines of a kind used solely or principally for the manufacture of printed circuit assemblies	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); e. Leads (insufficient paste, lift/torn).	9030.31.00	Multimeters, without a recording device	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); e. Leads (insufficient paste, lift/torn).	9030.32.00	Multimeters, with a recording device	23.VI.23

I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9030.33.20	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power; without recording device; Resistance measuring instruments	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9030.33.70	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power, without recording device	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9030.39.00	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power, with recording device	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9030.84.00	Other instruments and apparatus with a recording device	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9030.89.00	Other instruments and apparatus	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9031.49.10	Profile projectors	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9031.49.90	Other optical instruments and appliances	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9031.80.20	Other instruments, appliances and machines; For measuring or checking geometrical quantities	23.VI.23
I. Electronics	X.B.I.004	Automated optical inspection equipment for testing Printed Circuit Boards (PCBs), based on optical or electrical sensors, and capable to detect any of the following quality defects: a. Spacing, area, volume or height; b. Bill boarding; c. Components (presence, absence, flipped, offset, polarity, or skew); d. Solder (bridging, insufficient solder joints); <i>a. Load (insufficient paste, lift-off);</i>	9031.80.80	Other instruments, appliances and machines;	23.VI.23
I. Electronics	X.C.I.001	Positive resists designed for semiconductor lithography specially adjusted (optimised) for use at wavelengths between 370 and 193 nm.	3920.10.23	Polyethylene film, of a thickness of 20 micrometres or more but not exceeding 40 micrometres, for the production of photoresist film used in the manufacture of semiconductors or printed circuits	25.II.22
I. Electronics	X.C.I.001	Positive resists designed for semiconductor lithography specially adjusted (optimised) for use at wavelengths between 370 and 193 nm.	8486.90.00	Parts and accessories for machines and apparatus of a kind used solely or principally for the manufacture of semiconductor boules or wafers, semiconductor devices, electronic integrated circuits or flat panel displays, and for machines and	25.II.22

I. Electronics	X.C.I.002.a	Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows: a. PCB composite substrates made of glass fibre or cotton (e.g. FR-4, FR-2, FR-6, CEM-1, G-10, etc.);	3921.90.55	Other plates, sheets, film, foil and strip, of plastics; non cellular; of condensation or rearrangement polymerisation products, whether or not chemically modified	23.VI.23
I. Electronics	X.C.I.002.b	Multilayer PCB substrates, containing at least one layer of any of the following materials: b. Multilayer PCB substrates, containing at least one layer of any of the following materials: 1. Aluminium; 2. Polytetrafluoroethylene (PTFE); or 3. Ceramic materials (e.g. alumina, titanium oxide, etc.);	8534.00	Multilayer Printed Circuit Boards	23.VI.23
I. Electronics	X.C.I.002.c.1	Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows: c. Etchant chemicals; 1. Ferric chloride (7705-08-0);	2827.39.20	Chlorides, chloride oxides and chloride hydroxides; bromides and bromide oxides; iodides and iodide oxides of iron	23.VI.23
I. Electronics	X.C.I.002.c.2	Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows: c. Etchant chemicals; 2. Cupric chloride (7447-39-4);	2827.39.85	Chlorides, chloride oxides and chloride hydroxides; bromides and bromide oxides; iodides and iodide oxides; other	23.VI.23
I. Electronics	X.C.I.002.c.3	Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows: c. Etchant chemicals; 3. Ammonium persulphate (7727-54-0);	2833.40.00	Peroxosulphates (persulphates)	23.VI.23
I. Electronics	X.C.I.002.c.4	Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows: c. Etchant chemicals; 4. Sodium persulphate (7775-27-1);	2833.40.00	Peroxosulphates (persulphates)	23.VI.23
I. Electronics	X.C.I.002.c.5	Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows: c. Etchant chemicals; 5. Chemical preparations specially designed for etching and containing any of the chemicals included in X.C.I.002.c.1 to X.C.I.002.c.4.	3824.99.96	Chemical products and preparations of the chemical or allied industries; not composed of organic compounds,	23.VI.23
I. Electronics	X.C.I.002.d	Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows: d. Copper foil with a minimum purity 95 % and of a thickness less than 100 µm;	7410.11.00	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	23.VI.23
I. Electronics	X.C.I.002.d	Chemicals and materials of the type used in the production of Printed Circuit Boards (PCBs), as follows: d. Copper foil with a minimum purity 95 % and of a thickness less than 100 µm;	7410.21.00	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; backed	23.VI.23
I. Electronics	X.C.I.002.e	Polymeric substances and films thereof of less than 0,5 mm of thickness, as follows: 1. Aromatic polyimides; 2. Parylenes; 3. Benzocyclobutenes (BCBs); or 4. Polybenzoxazoles.	3919.10.80	Other self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes, of plastics, in rolls of a width not exceeding 20 cm:	23.VI.23

I. Electronics	X.C.I.002.e	Polymeric substances and films thereof of less than 0,5 mm of thickness, as follows: 1. Aromatic polyimides; 2. Parylenes; 3. Benzocyclobutenes (BCBs); or 4. Polybenzoxazoles.	3919.90.80	Other self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes, of plastics, whether or not in rolls	23.VI.23
I. Electronics	X.D.I.001	4. Polybenzoxazoles. X.D.I.001 "Software" specially designed for the "development", "production", or "use" of electronic devices or components controlled by X.A.I.001, general purpose electronic equipment controlled by X.A.I.002, or manufacturing and test equipment controlled by X.B.I.001 and X.B.I.002; or "software" specially designed for the "use" of equipment controlled by 3B001.g and 3B001.h .	N/A	Software	25.II.22
I. Electronics	X.D.I.002	"Software" specially designed for the test, "development" or "production" of Printed Circuit Boards (PCBs).	N/A	Software	23.VI.23
I. Electronics	X.E.I.001	"Technology" for the "development", "production" or "use" of electronic devices or components controlled by X.A.I.001, general purpose electronic equipment controlled by X.A.I.002, or manufacturing and test equipment controlled by X.B.I.001 or X.B.I.002, or materials controlled by X.C.I.001.	N/A	Technology	25.II.22
I. Electronics	X.E.I.002	"Technology" for the "development", "production" or "use" of Printed Circuit Boards (PCBs).	N/A	Technology	23.VI.23
II. Computers	X.A.II.001.a	Electronic computers and related equipment, and "electronic assemblies" and "specially designed" "parts" and "components" therefor, rated for operation at an ambient temperature above 343 K (70°C)	8471.41.00	Data-processing machines, automatic, comprising in the same housing at least a central processing unit, and one input unit and one output unit, whether or not combined (excl. portable weighing <= 10 kg and excl. those presented in the form of systems and peripheral units)	25.II.22
II. Computers	X.A.II.001.a	Computers, "electronic assemblies" and related equipment, not controlled by 4A001 or 4A003 , and specially designed components therefor. Note: The control status of the "digital computers" and related equipment described in X.A.II.001 is determined by the control status of other equipment or systems provided: a. The "digital computers" or related equipment are essential for the operation of the other equipment or systems.	8471.49.00	Data-processing machines, automatic, presented in the form of systems "comprising at least a central processing unit, one input unit and one output unit" (excl. portable weighing <= 10 kg and excl. peripheral units)	25.II.22
II. Computers	X.A.II.001.a	Computers, "electronic assemblies" and related equipment, not controlled by 4A001 or 4A003 , and specially designed components therefor. Note: The control status of the "digital computers" and related equipment described in X.A.II.001 is determined by the control status of other equipment or systems provided: a. The "digital computers" or related equipment are essential for the operation of the other equipment or systems.	8471.50.00	Processing units for automatic data-processing machines, whether or not containing in the same housing one or two of the following types of unit: storage units, input units, output units (excl. those of heading 8471.41 or 8471.49 and excl. peripheral units)	25.II.22
II. Computers	X.A.II.001.a	Computers, "electronic assemblies" and related equipment, not controlled by 4A001 or 4A003 , and specially designed components therefor. Note: The control status of the "digital computers" and related equipment described in X.A.II.001 is determined by the control status of other equipment or systems provided: a. The "digital computers" or related equipment are essential for the operation of the other equipment or systems.	8471.80.00	Units for automatic data-processing machines (excl. processing units, input or output units and storage units)	25.II.22
II. Computers	X.A.II.001.b	Computers, "electronic assemblies" and related equipment, not controlled by 4A001 or 4A003 , and specially designed components therefor. Note: The control status of the "digital computers" and related equipment described in X.A.II.001 is determined by the control status of other equipment or systems provided: a. The "digital computers" or related equipment are essential for the operation of the other equipment or systems.	8471.41.00	Data-processing machines, automatic, comprising in the same housing at least a central processing unit, and one input unit and one output unit, whether or not combined (excl. portable weighing <= 10 kg and excl. those presented in the form of systems and peripheral units)	25.II.22

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II. Computers	X.A.II.001.k	Computers, "electronic assemblies" and related equipment, not controlled by 4A001 or 4A003 , and specially designed components therefor. Note: The control status of the "digital computers" and related equipment described in X.A.II.001 is determined by the control status of other equipment or systems provided: a. The "digital computers" or related equipment are essential for the operation of the other equipment or systems.	8471.49.00	Data-processing machines, automatic, presented in the form of systems "comprising at least a central processing unit, one input unit and one output unit" (excl. portable weighing <= 10 kg and excl. peripheral units)	25.II.22
II. Computers	X.A.II.001.k	Computers, "electronic assemblies" and related equipment, not controlled by 4A001 or 4A003 , and specially designed components therefor. Note: The control status of the "digital computers" and related equipment described in X.A.II.001 is determined by the control status of other equipment or systems provided: a. The "digital computers" or related equipment are essential for the operation of the other equipment or systems.	8471.50.00	Processing units for automatic data-processing machines, whether or not containing in the same housing one or two of the following types of unit: storage units, input units, output units (excl. those of heading 8471.41 or 8471.49 and excl. peripheral units)	25.II.22
II. Computers	X.A.II.001.k	Computers, "electronic assemblies" and related equipment, not controlled by 4A001 or 4A003 , and specially designed components therefor. Note: The control status of the "digital computers" and related equipment described in X.A.II.001 is determined by the control status of other equipment or systems provided: a. The "digital computers" or related equipment are essential for the operation of the other equipment or systems.	8471.80.00	Units for automatic data-processing machines (excl. processing units, input or output units and storage units)	25.II.22
II. Computers	X.D.II.001	"Program" proof and validation "software", "software" allowing the automatic generation of "source codes", and operating system "software" that are specially designed for "real-time processing" equipment." a. "Program" proof and validation "software" using mathematical and analytical techniques and designed or modified for "programs" having more than 500 000 "source code" instructions; b. "Software" allowing the automatic generation of "source codes" from data acquired on line from external sensors described in the Regulation (EU) 2021/821; or	N/A	Software	25.II.22
II. Computers	X.D.II.002	"Software" other than that controlled in 4D001 specially designed or modified for the "development", "production" or "use" of equipment controlled by 4A101 .	N/A	Software	25.II.22
II. Computers	X.E.II.001	"Technology" for the "development", "production" or "use" of equipment controlled by X.A.II.001, or "software" controlled by X.D.II.001 or X.D.II.002	N/A	Technology	25.II.22
II. Computers	X.E.II.002	"Technology" for the "development" or "production" of equipment designed for 'multi-data-stream processing'. Technical Note: For the purpose of X.E.II.002, 'multi-data-stream processing' is a microprogram or equipment architecture technique that permits simultaneous processing of two or more data sequences under the control of one or more instruction sequences by means such as: 1. Single Instruction Multiple Data (SIMD) architectures such as vector or array processors; 2. Multiple Single Instruction Multiple Data (MSIMD) architectures.	N/A	Technology	25.II.22
III. Telecommunications and Information	X.A.III.101.a	Telecommunication equipment. a. Any type of telecommunications equipment, not controlled by 5A001.a , specially designed to operate outside the temperature range from 219 K (- 54 °C) to 397 K (124 °C).	8517.61.00	Base stations of apparatus for the transmission or reception of voice, images or other data	25.II.22
III. Telecommunications and Information	X.A.III.101.a	Telecommunication equipment. a. Any type of telecommunications equipment, not controlled by 5A001.a , specially designed to operate outside the temperature range from 219 K (- 54 °C) to 397 K (124 °C).	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.a	Telecommunication equipment. a. Any type of telecommunications equipment, not controlled by 5A001.a , specially designed to operate outside the temperature range from 219 K (- 54 °C) to 397 K (124 °C).	8517.69.30	Reception apparatus for radio-telephony or radio-telegraphy	25.II.22

III. Telecommunications and Information	X.A.III.101.a	Telecommunication equipment. a. Any type of telecommunications equipment, not controlled by 5A001.a , specially designed to operate outside the temperature range from 219 K (- 54 °C) to 397 K (124 °C).	8517.69.90	Apparatus for the transmission or reception of voice, images or other data, incl. apparatus for communication in a wired or wireless network [such as a local or wide area network] (excl. telephone sets, telephones for cellular networks or for other wireless networks, base stations, apparatus for the reception, conversion and transmission or regeneration of voice, images or other data, videophones, entry-phone systems, reception apparatus for radio-telephony or radio-telegraphy and transmission or reception apparatus of heading 8443, 8525, 8527 or 8528)	25.11.22
III. Telecommunications and Information	X.A.III.101.a	Telecommunication equipment. a. Any type of telecommunications equipment, not controlled by 5A001.a , specially designed to operate outside the temperature range from 219 K (- 54 °C) to 397 K (124 °C).	8517.79.00	Part of telecommunications equipment	25.11.22
III. Telecommunications and Information	X.A.III.101.b.1	Telecommunication equipment. b. Telecommunication transmission equipment and systems, and specially designed components and accessories therefor, having any of the following characteristics, functions or features: Note: Telecommunication transmission equipment: a. Categorised as follows, or combinations thereof: 1. Radio equipment (e.g., transmitters, receivers and transceivers); 2. Line termination equipment.	8517.61.00	Base stations of apparatus for the transmission or reception of voice, images or other data	25.11.22
III. Telecommunications and Information	X.A.III.101.b.1	Telecommunication equipment. b. Telecommunication transmission equipment and systems, and specially designed components and accessories therefor, having any of the following characteristics, functions or features: Note: Telecommunication transmission equipment: a. Categorised as follows, or combinations thereof: 1. Radio equipment (e.g., transmitters, receivers and transceivers); 2. Line termination equipment.	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	25.11.22
III. Telecommunications and Information	X.A.III.101.b.1	Telecommunication equipment. b. Telecommunication transmission equipment and systems, and specially designed components and accessories therefor, having any of the following characteristics, functions or features: Note: Telecommunication transmission equipment: a. Categorised as follows, or combinations thereof: 1. Radio equipment (e.g., transmitters, receivers and transceivers); 2. Line termination equipment.	8517.69.30	Reception apparatus for radio-telephony or radio-telegraphy	25.11.22
III. Telecommunications and Information	X.A.III.101.b.1	Telecommunication equipment. b. Telecommunication transmission equipment and systems, and specially designed components and accessories therefor, having any of the following characteristics, functions or features: Note: Telecommunication transmission equipment: a. Categorised as follows, or combinations thereof: 1. Radio equipment (e.g., transmitters, receivers and transceivers); 2. Line termination equipment.	8517.69.90	Apparatus for the transmission or reception of voice, images or other data, incl. apparatus for communication in a wired or wireless network [such as a local or wide area network] (excl. telephone sets, telephones for cellular networks or for other wireless networks, base stations, apparatus for the reception, conversion and transmission or regeneration of voice, images or other data, videophones, entry-phone systems, reception apparatus for radio-telephony or radio-telegraphy and transmission or reception apparatus of heading 8443, 8525, 8527 or 8528)	25.11.22
III. Telecommunications and Information	X.A.III.101.b.2	Telecommunication equipment. b. Telecommunication transmission equipment and systems, and specially designed components and accessories therefor, having any of the following characteristics, functions or features: Note: Telecommunication transmission equipment: a. Categorised as follows, or combinations thereof: 1. Radio equipment (e.g., transmitters, receivers and transceivers); 2. Line termination equipment.	8517.61.00	Base stations of apparatus for the transmission or reception of voice, images or other data	25.11.22
III. Telecommunications and Information	X.A.III.101.b.2	Telecommunication equipment. b. Telecommunication transmission equipment and systems, and specially designed components and accessories therefor, having any of the following characteristics, functions or features: Note: Telecommunication transmission equipment: a. Categorised as follows, or combinations thereof: 1. Radio equipment (e.g., transmitters, receivers and transceivers); 2. Line termination equipment.	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	25.11.22
III. Telecommunications and Information	X.A.III.101.b.2	Telecommunication equipment. b. Telecommunication transmission equipment and systems, and specially designed components and accessories therefor, having any of the following characteristics, functions or features: Note: Telecommunication transmission equipment: a. Categorised as follows, or combinations thereof: 1. Radio equipment (e.g., transmitters, receivers and transceivers); 2. Line termination equipment.	8517.69.30	Reception apparatus for radio-telephony or radio-telegraphy	25.11.22
III. Telecommunications and Information	X.A.III.101.b.2	Telecommunication equipment. b. Telecommunication transmission equipment and systems, and specially designed components and accessories therefor, having any of the following characteristics, functions or features: Note: Telecommunication transmission equipment: a. Categorised as follows, or combinations thereof: 1. Radio equipment (e.g., transmitters, receivers and transceivers); 2. Line termination equipment.	8517.69.90	Apparatus for the transmission or reception of voice, images or other data, incl. apparatus for communication in a wired or wireless network [such as a local or wide area network] (excl. telephone sets, telephones for cellular networks or for other wireless networks, base stations, apparatus for the reception, conversion and transmission or regeneration of voice, images or other data, videophones, entry-phone systems, reception apparatus for radio-telephony or radio-telegraphy and transmission or reception apparatus of heading 8443, 8525, 8527 or 8528)	25.11.22

III. Telecommunications and Information	X.A.III.101.c.1	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 1. "Data (message) switching" equipment or systems designed for 'packet-mode operation', "electronic assemblies" and components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.3	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 3. Routing or switching of 'datagram' packets; Note: X.A.III.101.c.3 does not control networks restricted to using only "network access controllers" or to "network access controllers" themselves.	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.5	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 5. Multi-level priority and pre-emption for circuit switching; Note: X.A.III.101.c.5 does not control single-level call preemption.	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.6	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 6. Designed for automatic hand-off of cellular radio calls to other cellular switches or automatic connection to a centralised subscriber data base common to more than one switch;	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.7	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 7. Containing 'stored program controlled' digital cross connect equipment with "digital transfer rate" exceeding 8,5 Mbit/s per port;	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.8	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 3. Routing or switching of 'datagram' packets; Note: X.A.III.101.c.3 does not control networks restricted to using only "network access controllers" or to "network access controllers" themselves.	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.9	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 9. 'Dynamic adaptive routing';	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.10	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 10. Being packet switches, circuit switches and routers with ports or lines exceeding any of the following: a. A 'data signalling rate' of 64 000 bit/s per channel for a 'communications channel controller'; or Note: X.A.III.101.c.10.a does not control multiplex composite links composed only of communication channels not individually controlled by X.A.III.101.b.1	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.11	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 11. "Optical switching";	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.A.III.101.c.12	Telecommunication equipment. c. 'Stored program controlled' switching equipment and related signalling systems, having any of the following characteristics, functions or features, and specially designed components and accessories therefor: 12. Employing 'Asynchronous Transfer Mode' ('ATM') techniques.	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22

III. Telecommunications and Information	X.A.III.101.d	Telecommunication equipment. d. Optical fibres and optical fibre cables of more than 50 m in length designed for single mode operation;	8536.70.00	Connectors for optical fibres, optical fibre bundles or cables	25.II.22
III. Telecommunications and Information	X.A.III.101.e	Telecommunication equipment. e. Centralised network control having all of the following characteristics: 1. Receives data from the nodes; and 2. Process these data in order to provide control of traffic not requiring operator decisions, and thereby performing 'dynamic adaptive routing'; Note 1: X.A.III.101.e does not include cases of routing decisions taken on predefined information. Note 2: X.A.III.101.e does not exclude control of traffic as a function of predictable statistical traffic conditions.	8517.61.00	Base stations of apparatus for the transmission or reception of voice, images or other data	25.II.22
III. Telecommunications and Information	X.A.III.101.f	Telecommunication equipment. f. Phased array antennas, operating above 10.5 GHz, containing active elements and distributed components, and designed to permit electronic control of beam shaping and pointing, except for landing systems with instruments meeting International Civil Aviation Organization (ICAO) standards (microwave landing systems (MLS));	8517.71.00	Aerials and aerial reflectors of all kinds; parts suitable for use therewith	25.II.22
III. Telecommunications and Information	X.A.III.101.f	Telecommunication equipment. f. Phased array antennas, operating above 10.5 GHz, containing active elements and distributed components, and designed to permit electronic control of beam shaping and pointing, except for landing systems with instruments meeting International Civil Aviation Organization (ICAO) standards (microwave landing systems (MLS));	8529.10.69	Aerials (excl. inside and outside aerials for radio or television broadcast receivers and telescopic and whip-type aerials for portable apparatus or for apparatus for fitting in motor vehicles)	25.II.22
III. Telecommunications and Information	X.A.III.101.g	Telecommunication equipment. g. Mobile communications equipment other than those specified in the CML or in Regulation (EU) 2021/821, "electronic assemblies" and components therefor; or	8517.13.00	Smartphones	25.II.22
III. Telecommunications and Information	X.A.III.101.g	Telecommunication equipment. g. Mobile communications equipment other than those specified in the CML or in Regulation (EU) 2021/821, "electronic assemblies" and components therefor; or	8517.14.00	Other telephones for cellular networks or for other wireless networks	25.II.22
III. Telecommunications and Information	X.A.III.101.g	Telecommunication equipment. g. Mobile communications equipment other than those specified in the CML or in Regulation (EU) 2021/821, "electronic assemblies" and components therefor; or	8517.79.00	Parts of telephone sets, including smartphones and other telephones for cellular networks or for other wireless networks; other apparatus for the transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network	25.II.22
III. Telecommunications and Information	X.A.III.101.g	Telecommunication equipment. g. Mobile communications equipment other than those specified in the CML or in Regulation (EU) 2021/821, "electronic assemblies" and components therefor; or	9102.12.00	Wristwatches, pocket-watches and other watches, including stopwatches, other than those of heading 9101, with opto-electronic display only.	25.II.22
III. Telecommunications and Information	X.A.III.101.h	Telecommunication equipment. h. Radio relay communications equipment designed for use at frequencies equal to or exceeding 19,7 GHz and components therefor, other than those specified in the CML or in Regulation (EU) 2021/821.	8517.62.00	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks)	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.10.00	Instruments and apparatus for measuring or detecting ionising radiations	25.II.22

III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.20.00	Oscilloscopes and oscillographs	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.31.00	Multimeters for voltage, current, resistance or electrical power, without recording device	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.32.00	Multimeters with recording device	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.33.20	Resistance measuring instruments without recording device	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.33.70	Instruments and apparatus for measuring or checking voltage, current or electrical power, without recording device (excl. multimeters, oscilloscopes and oscillographs)	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.39.00	Instruments and apparatus for measuring or checking voltage, current, resistance or electrical power, with recording device (excl. multimeters, and oscilloscopes and oscillographs)	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.40.00	Instruments and apparatus for measuring or checking electrical quantities, specifically for telecommunications, e.g. cross-talk meters, gain measuring instruments, distortion factor meters, psophometers	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.82.00	Instruments and apparatus for measuring or checking semiconductor wafers or devices	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.84.00	Instruments and apparatus for measuring or checking electrical quantities, with recording device (excl. appliances specially designed for telecommunications, multimeters, oscilloscopes and oscillographs, and apparatus for measuring or checking semiconductor wafers or devices)	25.II.22
III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.89.00	Instruments and apparatus for measuring or checking electrical quantities, without recording device, n.e.s.	25.II.22

III. Telecommunications and Information	X.B.III.101	Telecommunications test equipment, other than those specified in the CML or in Regulation (EU) 2021/821.	9030.90.00	Parts and accessories for instruments and apparatus for measuring or checking electrical quantities or for detecting ionising radiations, n.e.s.	25.II.22
III. Telecommunications and Information	X.C.III.101	Preforms of glass or of any other material optimised for the manufacture of optical fibres controlled by X.A.III.101.	7002.20.10	Rods of optical glass, unworked	25.II.22
III. Telecommunications and Information	X.D.III.101	"Software" specially designed or modified for the "development", "production" or "use" of equipment controlled by X.A.III.101 and X.B.III.101, and dynamic adaptive routing "software" as described as follows: a. "Software", other than in machine-executable form, specially designed for 'dynamic adaptive routing'; b. Not used.	N/A	Software	25.II.22
III. Telecommunications and Information	X.E.III.101	X.E.III.101 "Technology" for the "development", "production" or "use" of equipment controlled by X.A.III.101 or X.B.III.101, or "software" controlled by X.D.III.101, and other "technologies" as follows: a. Specific "technologies" as follows: 1. "Technology" for the processing and application of coatings to optical fibre specially designed to make it suitable for underwater use; 2. "Technology" for the "development" of equipment employing 'Synchronous Digital Hierarchy' ('SDH') or 'Synchronous Optical Network' ('SONET') technology.	N/A	Technology	25.II.22
III. Telecommunications and Information	X.A.III.201	Equipment as follows: a. Not used; b. Not used; c. Goods classified as mass market encryption in accordance with Cryptography Note – Note 3 to Category 5, Part 2	N/A	Many items with different HS codes	25.II.22
III. Telecommunications and Information	X.D.III.201	'Information Security' 'software' as follows: a. Not used; b. Not used; c. 'Software' classified as mass market encryption software in accordance with Cryptography Note – Note 3 to Category 5, Part 2.	N/A	Software	25.II.22
III. Telecommunications and Information	X.E.III.201	'Information Security' 'technology' according to the General Technology Note, as follows: a. Not used; b. 'Technology', other than specified in the CML or in Regulation (EU) 2021/821, for the 'use' of mass market goods controlled by X.A.III.201.c or mass market 'software' controlled by X.D.III.201.c.	N/A	Technology	25.II.22
IV. Sensors and Lasers	X.A.IV.001	Marine or terrestrial acoustic equipment, capable of detecting or locating underwater objects or features or positioning surface vessels or underwater vehicles; and specially designed components, other than those specified in the CML or in Regulation (EU) 2021/821.	9014.80.00	Navigational instruments and apparatus (excl. for aeronautical or space navigation, compasses and radio navigational equipment)	25.II.22
IV. Sensors and Lasers	X.A.IV.002.a	Image intensifier tubes and specially designed components therefor, as follows: 1. Image intensifier tubes having all the following: a. A peak response in wavelength range exceeding 400 nm, but not exceeding 1 050 nm; b. A microchannel plate for electron image amplification with a hole pitch (centre-to-centre spacing) of less than 25 µm; and c. Having any of the following: 1. A $\leq 70^\circ$ $\leq 75^\circ$ or multi-kali photocathode, or	9022.90.80	X-ray generators other than X-ray tubes, high tension generators, control panels and desks, screens, examination or treatment tables, chairs and the like, and general parts and accessories for apparatus of heading 9022, n.e.s.	25.II.22
IV. Sensors and Lasers	X.A.IV.002.b	Direct view imaging equipment operating in the visible or infrared spectrum, incorporating image intensifier tubes having the characteristics listed in X.A.IV.002.a.1.	8525.83.00	Other, night vision goods as specified in subheading note 3 to this chapter	25.II.22

IV. Sensors and Lasers	X.A.IV.003	Cameras that meet the criteria of Note 3 to 6A003.b.4.	8525.83.00	Other, night vision goods as specified in subheading note 3 to this chapter	25.II.22
IV. Sensors and Lasers	X.A.IV.004.a	Optical filters: 1. For wavelengths longer than 250 nm, comprised of multi-layer optical coatings and having either of the following: a. Bandwidths equal to or less than 1 nm Full Width Half Intensity (FWHI) and peak transmission of 90 % or more; or b. Bandwidths equal to or less than 0,1 nm FWHI and peak transmission of 50 % or more;	9002.20.00	Filters, optical, being parts of or fittings for instruments, apparatus and appliances, framed or mounted	25.II.22
IV. Sensors and Lasers	X.A.IV.004.b	'Fluoride fibre' cable, or optical fibres therefor, having an attenuation of less than 4 dB/km in the wavelength range exceeding 1 000 nm but not exceeding 3 000 nm.	8536.70.00	Connectors for optical fibres, optical fibre bundles or cables	25.II.22
IV. Sensors and Lasers	X.A.IV.005.a	a. Carbon dioxide (CO ₂) 'lasers' having any of the following: 1. A CW output power exceeding 10 kW; 2. A pulsed output with a 'pulse duration' exceeding 10 µs; and a. An average output power exceeding 10 kW; or b. A pulsed 'peak power' exceeding 100 kW; or 3. A pulsed output with a 'pulse duration' equal to or less than 10 µs; and a. A pulsed average power exceeding 10 kW; or	9013.20.00	Lasers (excl. laser diodes)	25.II.22
IV. Sensors and Lasers	X.A.IV.005.b	Semiconductor lasers, as follows: 1. Individual, single-transverse mode semiconductor 'lasers' having: a. An average output power exceeding 100 mW; or b. A wavelength exceeding 1 050 nm; 2. Individual, multiple-transverse mode semiconductor 'lasers', or arrays of individual semiconductor 'lasers', having a wavelength exceeding 1 050 nm;	9013.20.00	Lasers, other than laser diodes	25.II.22
IV. Sensors and Lasers	X.A.IV.005.b	Semiconductor lasers, as follows: 1. Individual, single-transverse mode semiconductor 'lasers' having: a. An average output power exceeding 100 mW; or b. A wavelength exceeding 1 050 nm; 2. Individual, multiple-transverse mode semiconductor 'lasers', or arrays of individual semiconductor 'lasers', having a wavelength exceeding 1 050 nm;	9013.80.00	other optical appliances and instruments, not specified or included elsewhere in this chapter	25.II.22
IV. Sensors and Lasers	X.A.IV.005.c	Ruby 'lasers' having an output energy exceeding 20 J per pulse;	9013.20.00	Lasers (excl. laser diodes)	25.II.22
IV. Sensors and Lasers	X.A.IV.005.d	Non-"tunable" "pulsed lasers" having an output wavelength exceeding 975 nm but not exceeding 1 150 nm and having any of the following: 1. A "pulse duration" equal to or exceeding 1 ns but not exceeding 1 µs, and having any of the following: a. A single transverse mode output and having any of the following: 1. A 'wall-plug efficiency' exceeding 12 % and an "average output power" exceeding 10 W and capable of operating at a pulse repetition frequency greater than 1 kHz; or 2. A "average output power" exceeding 50 W; or 3. A multiple transverse mode output and having any of the following:	9013.20.00	Lasers (excl. laser diodes)	25.II.22
IV. Sensors and Lasers	X.A.IV.005.e	Non-"tunable" continuous wave "(CW) lasers", having an output wavelength exceeding 975 nm but not exceeding 1 150 nm and having any of the following: 1. A single transverse mode output and having any of the following: a. A 'wall-plug efficiency' exceeding 12 % and an "average output power" exceeding 10 W and capable of operating at a pulse repetition frequency greater than 1 kHz; or b. An "average output power" exceeding 50 W; or 2. A multiple transverse mode output and having any of the following:	9013.20.00	Lasers (excl. laser diodes)	25.II.22
IV. Sensors and Lasers	X.A.IV.005.f	Non-"tunable" "lasers", having a wavelength exceeding 1 400 nm, but not exceeding 1 555 nm and having any of the following: 1. An output energy exceeding 100 mJ per pulse and a pulsed "peak power" exceeding 1 W; or 2. An average or CW output power exceeding 1 W;	9013.20.00	Lasers (excl. laser diodes)	25.II.22

IV. Sensors and Lasers	X.A.IV.005.g	Free electron "lasers"	9013.20.00	Lasers (excl. laser diodes)	25.II.22
IV. Sensors and Lasers	X.A.IV.006	Magnetometers', 'Superconductive' electromagnetic sensors, and specially designed components therefor, as follows: a. "Magnetometers", other than those specified in the CML or in Regulation (EU) 2021/821, having a 'sensitivity' lower (better) than 1,0 nT (rms) per square root Hz. Technical Note: For the purposes of X.A.IV.006.a, 'sensitivity' (noise level) is the root mean square of the device-limited noise floor which is the lowest signal that can be measured. b. "Superconductive" electromagnetic sensors components manufactured from "superconductive" materials;	9015.80.20	Meteorological, hydrological and geophysical instruments and apparatus (excl. compasses, rangefinders, theodolites, tachymeters "tacheometers", levels and photogrammetrical surveying instruments and appliances)	25.II.22
IV. Sensors and Lasers	X.A.IV.007	Gravity meters (gravimeters) for ground use, other than those specified in the CML or in Regulation (EU) 2021/821, as follows: a. Having a static accuracy of less (better) than 100 µGal; or b. Being of the quartz element (Worden) type.	9015.80.20	Meteorological, hydrological and geophysical instruments and apparatus (excl. compasses, rangefinders, theodolites, tachymeters "tacheometers", levels and photogrammetrical surveying instruments and appliances)	25.II.22
IV. Sensors and Lasers	X.A.IV.008	Radar systems, equipment and major components, other than those specified in the CML or in Regulation (EU) 2021/821, and specially designed components therefor, as follows: a. Airborne radar equipment, other than those specified in the CML or in Regulation (EU) 2021/821, and specially designed components therefor; b. "Space-qualified" "laser" radar or Light Detection and Ranging (LIDAR) equipment specially designed for surveying or for meteorological observation; c. Millimeter wave enhanced video radar imaging systems specially designed for rotary wing aircraft and	8526.10.00 9015.10.00 9015.80.40	Radar apparatus	25.II.22
IV. Sensors and Lasers	X.A.IV.009.a	Seismic detection equipment not controlled by X.A.IV.009.c.	9015.80.20	Meteorological, hydrological and geophysical instruments and apparatus (excl. compasses, rangefinders, theodolites, tachymeters "tacheometers", levels and photogrammetrical surveying instruments and appliances)	25.II.22
IV. Sensors and Lasers	X.A.IV.009.b	Radiation hardened TV cameras, other than those specified in the CML or in Regulation (EU) 2021/821.	8525.82.00	Other, radiation-hardened or radiation-tolerant goods as specified in subheading note 2 to this chapter	25.II.22
IV. Sensors and Lasers	X.A.IV.009.c	Seismic intrusion detection systems that detect, classify and determine the bearing on the source of a detected signal.	9031.80.80	Non-optical instruments, appliances and machines for measuring or checking, n.e.s. in Chapter 90	25.II.22
IV. Sensors and Lasers	X.B.IV.001.a	Equipment, including tools, dies, fixtures or gauges, and other specially designed components and accessories therefor, specially designed or modified for any of the following: a. For the manufacture or inspection of: 1. Free electron 'laser' magnet wigglers; 2. Free electron 'laser' photo injectors;	9031.49.90	Optical instruments, appliances and machines for measuring or checking, not elsewhere specified or included in chapter 90	25.II.22
IV. Sensors and Lasers	X.B.IV.001.b	Equipment, including tools, dies, fixtures or gauges, and other specially designed components and accessories therefor, specially designed or modified for any of the following: For the adjustment, to required tolerances, of the longitudinal magnetic field of free electron 'lasers'.	9031.49.90	Optical instruments, appliances and machines for measuring or checking, not elsewhere specified or included in chapter 90	25.II.22
IV. Sensors and Lasers	X.C.IV.001	Optical sensing fibres that are modified structurally to have a 'beat length' of less than 500 mm (high birefringence) or optical sensor materials not described in 6C002.b and having a zinc content of equal to or more than 6 % by 'mole fraction.'	8536.70.00	Connectors for optical fibres, optical fibre bundles or cables	25.II.22

IV. Sensors and Lasers	X.C.IV.002.a	Low optical absorption materials, as follows: 1. Bulk fluoride compounds containing ingredients with a purity of 99,999 % or better; or Note: X.C.IV.002.a.1 controls fluorides of zirconium or aluminum and variants. 2. Bulk fluoride glass made from compounds controlled by 6C004.e.1 ;	2826.12.00	Fluoride of aluminium	25.II.22
IV. Sensors and Lasers	X.C.IV.002.a	Low optical absorption materials, as follows: 1. Bulk fluoride compounds containing ingredients with a purity of 99,999 % or better; or Note: X.C.IV.002.a.1 controls fluorides of zirconium or aluminum and variants. 2. Bulk fluoride glass made from compounds controlled by 6C004.e.1 ;	2826.19.90	Fluorides (excl. of ammonium, sodium, aluminium and mercury)	25.II.22
IV. Sensors and Lasers	X.C.IV.002.b	'Optical fibre preforms' made from bulk fluoride compounds containing ingredients with a purity of 99,999 % or better, 'specially designed' for the manufacture of 'fluoride fibres' controlled by X.A.IV.004.b.	7002.20.10	Rods of optical glass, unworked	25.II.22
IV. Sensors and Lasers	X.D.IV.001	'Software', other than those specified in the CML or in Regulation (EU) 2021/821, specially designed for the 'development', 'production', or 'use' of goods controlled by 6A002, 6A003, X.A.IV.001, X.A.IV.006, X.A.IV.007, or X.A.IV.008.	N/A	Software	25.II.22
IV. Sensors and Lasers	X.D.IV.002	'Software' specially designed for the 'development' or 'production' of equipment controlled by X.A.IV.002, X.A.IV.004, or X.A.IV.005.	N/A	Software	25.II.22
IV. Sensors and Lasers	X.D.IV.003	Other 'software', as follows: a. Air Traffic Control (ATC) 'software' application 'programs' hosted on general purpose computers located at Air Traffic Control centers, and capable of automatically handing over primary radar target data (if not correlated with secondary surveillance radar (SSR) data) from the host ATC center to another ATC center. b. 'Software' specially designed for seismic intrusion detection systems in X.A.IV.009.c. c. 'Source Code' specially designed for seismic intrusion detection systems in X.A.IV.009.c.	N/A	Software	25.II.22
IV. Sensors and Lasers	X.E.IV.001	'Technology' for the 'development', 'production' or 'use' of equipment controlled by X.A.IV.001, X.A.IV.006, X.A.IV.007, X.A.IV.008 or X.A.IV.009.c.	N/A	Technology	25.II.22
IV. Sensors and Lasers	X.E.IV.002	'Technology' for the 'development' or 'production' of equipment, materials or 'software' controlled by X.A.IV.002, X.A.IV.004, or X.A.IV.005, X.B.IV.001, X.C.IV.001, X.C.IV.002, or X.D.IV.003.	N/A	Technology	25.II.22
IV. Sensors and Lasers	X.E.IV.003	Other 'technology' as follows: a. Optical fabrication technologies for serially producing optical components at a rate exceeding 10 m ² of surface area per year on any single spindle and having all of the following: 1. Area exceeding 1 m ² ; and 2. Surface figure exceeding $\lambda/10$ (rms) at the designed wavelength; b. 'Technology' for optical filters with a bandwidth equal to or less than 10 nm, a field of view (FOV) exceeding 40° and a resolution exceeding 0,75 line pairs per milliradian; c. 'Technology' for the 'development' or 'production' of cameras controlled by X.A.IV.003; d. 'Technology' required for the 'development' or 'production' of non-triaxial fluxgate 'magnetometers' or non-triaxial fluxgate 'magnetometer' systems, having any of the following:.....	N/A	Technology	25.II.22

V. Navigation and Avionics	X.A.V.001	Airborne communication equipment, all "aircraft" inertial navigation systems, and other avionic equipment, including components, other than those specified in the CML or in Regulation (EU) 2021/821.	8517.69.30	Reception apparatus for radio-telephony or radio-telegraphy	25.II.22
V. Navigation and Avionics	X.A.V.001	Airborne communication equipment, all "aircraft" inertial navigation systems, and other avionic equipment, including components, other than those specified in the CML or in Regulation (EU) 2021/821.	8526.91.20	Radio navigational receivers (excl. radar apparatus)	25.II.22
V. Navigation and Avionics	X.A.V.001	Airborne communication equipment, all "aircraft" inertial navigation systems, and other avionic equipment, including components, other than those specified in the CML or in Regulation (EU) 2021/821.	9014.10.00	Direction finding compasses	25.II.22
V. Navigation and Avionics	X.A.V.001	Airborne communication equipment, all "aircraft" inertial navigation systems, and other avionic equipment, including components, other than those specified in the CML or in Regulation (EU) 2021/821.	9014.20.20	Inertial navigation systems for aeronautical or space navigation (excl. compasses and radio navigational equipment)	25.II.22
V. Navigation and Avionics	X.A.V.001	Airborne communication equipment, all "aircraft" inertial navigation systems, and other avionic equipment, including components, other than those specified in the CML or in Regulation (EU) 2021/821.	9014.20.80	Instruments and appliances for aeronautical or space navigation (excl. inertial navigation systems, compasses and radio navigational equipment)	25.II.22
V. Navigation and Avionics	X.A.V.001	Airborne communication equipment, all "aircraft" inertial navigation systems, and other avionic equipment, including components, other than those specified in the CML or in Regulation (EU) 2021/821.	9014.90.00	Parts and accessories for compasses and other navigational instruments and appliances, n.e.s.	25.II.22
V. Navigation and Avionics	X.B.V.001	Other equipment specially designed for the test, inspection, or 'production' of navigation and avionics equipment.	9030.82.00	Instruments and apparatus for measuring or checking semiconductor wafers or devices	25.II.22
V. Navigation and Avionics	X.D.V.001	'Software', other than specified in the CML or in Regulation (EU) 2021/821, for the 'development', 'production', or 'use' of navigation, airborne communication and other avionics.	N/A	Software	25.II.22
V. Navigation and Avionics	X.E.V.001	'Technology', other than specified in the CML or in Regulation (EU) 2021/821, for the 'development', 'production' or 'use' of navigation, airborne communication, and other avionics equipment.	N/A	Technology	25.II.22
VI. Marine	X.A.VI.001.a	Underwater vision systems, as follows: 1. Television systems (comprising camera, lights, monitoring and signal transmission equipment) having a limiting resolution when measured in air of more than 500 lines and specially designed or modified for remote operation with a submersible vehicle; or 2. Underwater television cameras having a limiting resolution when measured in air of more than 700 lines;	9006.30.00	Cameras specially designed for underwater use, for aerial survey or for medical or surgical examination of internal organs; comparison cameras for forensic or criminological laboratories	25.II.22

VI. Marine	X.A.VI.001.b	Photographic still cameras specially designed or modified for underwater use, having a film format of 35 mm or larger, and having autofocus or remote focusing 'specially designed' for underwater use;	9006.30.00	Cameras specially designed for underwater use, for aerial survey or for medical or surgical examination of internal organs; comparison cameras for forensic or criminological laboratories	25.II.22
VI. Marine	X.A.VI.001.c	Stroboscopic light systems, specially designed or modified for underwater use, capable of a light output energy of more than 300 J per flash;	9029.20.90	Stroboscopes	25.II.22
VI. Marine	X.A.VI.001.d	Other underwater camera equipment, other than those specified in the CML or in Regulation (EU) 2021/821;	9006.30.00	Cameras specially designed for underwater use, for aerial survey or for medical or surgical examination of internal organs; comparison cameras for forensic or criminological laboratories	25.II.22
VI. Marine	X.A.VI.001.e	Marine boilers designed to have any of the following characteristics: 1. Heat release rate (at maximum rating) equal to or in excess of 1 966,4 kW/m ³ of furnace volume; or 2. Ratio of steam generated in kilogram per hour (at maximum rating) to the dry weight of the boiler in kilograms equal to or in excess of 37,6.	8403.10.10	Central heating boilers other than those of heading 8402 of cast iron	23.VI.23
VI. Marine	X.A.VI.001.e	Marine boilers designed to have any of the following characteristics: 1. Heat release rate (at maximum rating) equal to or in excess of 1 966,4 kW/m ³ of furnace volume; or 2. Ratio of steam generated in kilogram per hour (at maximum rating) to the dry weight of the boiler in kilograms equal to or in excess of 37,6.	8403.10.90	Central heating boilers other than those of heading 8402, other	23.VI.23
VI. Marine	X.A.VI.001.e	Marine boilers designed to have any of the following characteristics: 1. Heat release rate (at maximum rating) equal to or in excess of 1 966,4 kW/m ³ of furnace volume; or 2. Ratio of steam generated in kilogram per hour (at maximum rating) to the dry weight of the boiler in kilograms equal to or in excess of 37,6.	8404.10.00	Auxiliary plant for use with boilers of heading 8402 or 8403	23.VI.23
VI. Marine	X.A.VI.001.e	Marine boilers designed to have any of the following characteristics: 1. Heat release rate (at maximum rating) equal to or in excess of 1 966,4 kW/m ³ of furnace volume; or 2. Ratio of steam generated in kilogram per hour (at maximum rating) to the dry weight of the boiler in kilograms equal to or in excess of 37,6.	8404.20.00	Condensers for steam or other vapour power units	23.VI.23
VI. Marine	X.A.VI.001.e	Marine boilers designed to have any of the following characteristics: 1. Heat release rate (at maximum rating) equal to or in excess of 1 966,4 kW/m ³ of furnace volume; or 2. Ratio of steam generated in kilogram per hour (at maximum rating) to the dry weight of the boiler in kilograms equal to or in excess of 37,6.	8404.90.00	Parts of auxiliary plant for use with boilers of heading 8402 or 8403	23.VI.23
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8901.10.10	Sea-going cruise ships, excursion boats and similar vessels principally designed for the transport of persons, and seagoing ferry-boats of all kinds	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8901.10.90	Cruise ships, excursion boats and similar vessels principally designed for the transport of persons and ferry-boats of all kinds (excl. seagoing vessels)	25.II.22

VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8901.20.10	Sea-going tankers	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8901.20.90	Tankers (excl. seagoing tankers)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8901.30.10	Sea-going refrigerated vessels (excl. tankers)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8901.30.90	Refrigerated vessels (excl. seagoing vessels and tankers)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8901.90.10	Sea-going vessels for the transport of goods and seagoing vessels for the transport of both persons and goods (excl. refrigerated vessels, tankers, ferry-boats and vessels principally designed for the transport of persons)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8901.90.90	Vessels for the transport of goods and vessels for the transport of both persons and goods, whether or not mechanically propelled (excl. seagoing vessels, refrigerated vessels, tankers, ferry-boats and vessels principally designed for the transport of persons)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8902.00.10	Fishing vessels, factory ships and other vessels for processing or preserving fishery products, seagoing	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8902.00.90	Fishing vessels; factory ships and other vessels for processing or preserving fishery products (excl. seagoing vessels and fishing boats for sport)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.21.00	Sailboats, other than inflatable, with or without auxiliary motor: of a length not exceeding 7,5 m	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.22.10	Sailboats, other than inflatable, of a length exceeding 7,5 m but not exceeding 24 m; seagoing	25.II.22

VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.22.90	Sailboats, other than inflatable, of a length exceeding 7,5 m but not exceeding 24 m; other	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.23.10	Sailboats, other than inflatable, of a length exceeding 24 m; seagoing	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.23.90	Sailboats, other than inflatable, of a length exceeding 24 m; other	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.31.00	Motorboats, other than inflatable, not including outboard motorboats; of a length not exceeding 7,5 m	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.32.10	Motorboats, other than inflatable, not including outboard motorboats; of a length exceeding 7,5 m but not exceeding 24 m: seagoing	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.32.90	Motorboats, other than inflatable, not including outboard motorboats; of a length exceeding 7,5 m but not exceeding 24 m: other	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.33.10	Motorboats, other than inflatable, not including outboard motorboats; of a length exceeding 24 m: seagoing	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.33.90	Motorboats, other than inflatable, not including outboard motorboats; of a length exceeding 24 m: other	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.93.10	Other yachts and other vessels for pleasure or sports; rowing boats and canoes; of a length not exceeding 7,5 m; of a weight not exceeding 100 kg each	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.93.90	Other yachts and other vessels for pleasure or sports; rowing boats and canoes; of a length not exceeding 7,5 m; other	25.II.22

VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.99.10	Other yachts and other vessels for pleasure or sports; rowing boats and canoes; of other length; of a weight not exceeding 100 kg each	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8903.99.90	Other yachts and other vessels for pleasure or sports; rowing boats and canoes; of other length; other	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8904.00.10	Tugs, seagoing and for inland waterways	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8904.00.91	Sea-going pusher craft	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8904.00.99	Pusher craft (excl. seagoing)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8905.10.10	Sea-going dredgers	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8905.10.90	Dredgers (excl. seagoing)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8905.90.10	Sea-going light vessels, fire-floats, floating cranes and other vessels, the navigability of which is subsidiary to their main function (excl. dredgers, floating or submersible drilling or production platforms; fishing vessels and warships)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8905.90.90	Light vessels, fire-floats, floating cranes and other vessels, the navigability of which is subsidiary to their main function (excl. seagoing vessels, dredgers, floating or submersible drilling or production platforms; fishing vessels and warships)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8906.10.00	Warships of all kinds	25.II.22

VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8906.90.10	Other vessels, including warships and lifeboats other than rowing boats	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8906.90.91	Vessels, incl. lifeboats, of a weight <= 100 kg each (excl. rowing boats and other vessels of heading 8901 to 8905 and vessels for breaking up)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8906.90.99	Vessels, incl. lifeboats, of a weight > 100 kg each (excl. seagoing vessels, warships, rowing boats and other vessels of heading 8901 to 8905 and floating structures for breaking up)	25.II.22
VI. Marine	X.A.VI.001.f	Vessels (surface or underwater), including inflatable boats, and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8908.00.00	Vessels and other floating structures for breaking up	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8406.10.00	Steam and other vapour turbines for marine propulsion	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8407.21.10	Spark-ignition outboard motors for marine propulsion, of a cylinder capacity <= 325 cm³	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8407.21.91	Spark-ignition outboard motors for marine propulsion, of a cylinder capacity > 325 cm³ and a power <= 30 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8407.21.99	Spark-ignition outboard motors for marine propulsion, of a cylinder capacity > 325 cm³ and a power > 30 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8407.29.00	Spark-ignition reciprocating or rotary engines, for marine propulsion (excl. outboard motors)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.11	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", used, for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00	25.II.22

VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.19	Compression-ignition combustion piston engine, used, for vessels (other than for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.23	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00, new, of a power <= 50 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.27	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", for vessels, new, of a power <= 50 kW (excl. for seagoing vessels of heading 8901 to 8906, for tugs of subheading 8904.00.10 and for warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.31	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00, new, of a power > 50 kW but <= 100 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.39	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for vessels, new, of a power > 50 kW but <= 100 kW (excl. for vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.41	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00, new, of a power > 100 kW but <= 200 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.49	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for vessels, new, of a power > 100 kW but <= 200 kW (excl. for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.51	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00, new, of a power > 200 kW but <= 300 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.59	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", of vessels, new, of a power > 200 kW but <= 300 kW (excl. for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.61	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00, new, of a power > 300 kW but <= 500 kW	25.II.22

VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.69	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", for vessels, new, of a power > 300 kW but <= 500 kW (excl. for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.71	Compression-engine internal combustion piston engine "diesel or semi-diesel engine", for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00, new, of a power > 500 kW but <= 1.000 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.79	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for vessels, new, of a power > 500 kW but <= 1.000 kW (excl. for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.81	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine", for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00, new, of a power > 1.000 kW but <= 5.000 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.89	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for vessels, new, of a power > 1.000 kW but <= 5.000 kW (excl. for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.91	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00, new, of a power > 5.000 kW	25.II.22
VI. Marine	X.A.VI.001.g	Marine engines (both inboard and outboard) and submarine engines and specially designed components therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	8408.10.99	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for vessels, new, of a power > 5.000 kW (excl. for seagoing vessels of heading 8901 to 8906, tugs of subheading 8904.00.10 and warships of subheading 8906.10.00)	25.II.22
VI. Marine	X.A.VI.001.h	Self-contained underwater breathing apparatus (scuba gear) and accessories therefor, other than those specified in the CML or in Regulation (EU) 2021/821;	9506.29.00	Water-skis, surfboards and other water-sport equipment (other than sailboards)	25.II.22
VI. Marine	X.A.VI.001.i	Life jackets, inflation cartridges, dive compasses and dive computers;	8471.30.00	Portable automatic data-processing machines, weighing not more than 10 kg, consisting of at least a central processing unit, a keyboard and a display	25.II.22
VI. Marine	X.A.VI.001.i	Life jackets, inflation cartridges, dive compasses and dive computers;	9506.29.00	Water-skis, surfboards and other water-sport equipment (other than sailboards)	25.II.22

VI. Marine	X.A.VI.001.j	Underwater lights and propulsion equipment;	9405.42.10	Other electric luminaires and lighting fittings; Searchlights and spotlights	25.11.22
VI. Marine	X.A.VI.001.j	Underwater lights and propulsion equipment;	8906.90.10	Other vessels, including warships and lifeboats other than rowing boats	25.11.22
VI. Marine	X.A.VI.001.k	Air compressors and filtration system specially designed for filling air cylinders;	8414.40.10	Air compressors mounted on a wheeled chassis for towing giving a flow per minute not exceeding 2 m ³	25.11.22
VI. Marine	X.D.VI.001	'Software' specially designed or modified for the 'development', 'production' or 'use' of equipment controlled by X.A.VI.001.	N/A	Software	25.11.22
VI. Marine	X.D.VI.002	'Software' specially designed for the operation of unmanned submersible vehicles used in the oil and gas industry.	N/A	Software	25.11.22
VI. Marine	X.E.VI.001	'Technology' for the 'development', 'production' or 'use' of equipment controlled by X.A.VI.001.	N/A	Technology	25.11.22
VII. Aerospace and Propulsion	X.A.VII.001.a	Diesel engines, other than those specified in the CML or in Regulation (EU) 2021/821, for trucks, tractors, and automotive applications, having an overall power output of 298kW or more.	8408.20.37	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for wheeled agricultural or forestry tractors, of a power > 100 kW	25.11.22
VII. Aerospace and Propulsion	X.A.VII.001.a	Diesel engines, other than those specified in the CML or in Regulation (EU) 2021/821, for trucks, tractors, and automotive applications, having an overall power output of 298kW or more.	8408.20.99	Compression-ignition internal combustion piston engine "diesel or semi-diesel engine" for vehicles of chapter 87, of a power > 200 kW (excl. engines of subheading 8408.20.10 and engines for wheeled agricultural or forestry tractors)	25.11.22
VII. Aerospace and Propulsion	X.A.VII.001.b	Off highway wheel tractors of carriage capacity 9 t or more; and major components and accessories, other than those specified in the CML or in Regulation (EU) 2021/821.	8701.95.10	Agricultural tractors and forestry tractors, wheeled, of an engine power > 130 kW (excl. pedestrian-controlled tractors)	25.11.22
VII. Aerospace and Propulsion	X.A.VII.001.c	Road tractors for semi-trailers, with single or tandem rear axles rated for 9 t per axle or more and specially designed major components.	8701.95.90	Tractors, of an engine power > 130 kW (excl. those of heading 8709, pedestrian-controlled tractors, road tractors for semi-trailers, track-laying tractors and wheeled agricultural/forestry tractors)	25.11.22

VII. Aerospace and Propulsion	X.A.VII.002.c	Aero gas turbine engines and components specially designed therefor.	8411.11.00	Turbojets of a thrust <= 25 kN	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.c	Aero gas turbine engines and components specially designed therefor.	8411.12.10	Turbojets of a thrust > 25 kN but <= 44 kN	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.c	Aero gas turbine engines and components specially designed therefor.	8411.12.30	Turbojets of a thrust > 44 kN but <= 132 kN	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.c	Aero gas turbine engines and components specially designed therefor.	8411.12.80	Turbojets of a thrust > 132 kN	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.c	Aero gas turbine engines and components specially designed therefor.	8411.21.00	Turbopropellers of a power <= 1.100 kW	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.c	Aero gas turbine engines and components specially designed therefor.	8411.22.20	Turbopropellers of a power > 1.100 kW but <= 3.730 kW	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.c	Aero gas turbine engines and components specially designed therefor.	8411.22.80	Turbopropellers of a power > 3.730 kW	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.c	Aero gas turbine engines and components specially designed therefor.	8411.91.00	Parts of turbojets or turbopropellers, n.e.s.	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.e	Pressurised aircraft breathing equipment components specially designed therefor, other than those specified in the CML or in Regulation (EU) 2021/821.	9020.00.10	Gas masks	25.II.22
VII. Aerospace and Propulsion	X.A.VII.002.e	Pressurised aircraft breathing equipment components specially designed therefor, other than those specified in the CML or in Regulation (EU) 2021/821.	9020.00.90	Other breathing appliances and gas masks, including accessories	25.II.22

VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8407.10.00	Spark-ignition reciprocating or rotary internal combustion piston engines;	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.27	Used compression-ignition internal combustion engines	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.41	Compression-ignition internal combustion engines; not exceeding 15 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.43	Compression-ignition internal combustion engines; exceeding 15 kW but not exceeding 30 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.45	Compression-ignition internal combustion engines; exceeding 30 kW but not exceeding 50 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.47	Compression-ignition internal combustion engines; exceeding 50 kW but not exceeding 100 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.61	Compression-ignition internal combustion engines; exceeding 100 kW but not exceeding 200 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.65	Compression-ignition internal combustion engines; exceeding 200 kW but not exceeding 300 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.67	Compression-ignition internal combustion engines; exceeding 300 kW but not exceeding 500 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.81	Compression-ignition internal combustion engines; exceeding 500 kW but not exceeding 1 000 kW	16.XII.22

VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.85	Compression-ignition internal combustion engines; exceeding 1 000 kW but not exceeding 5 000 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8408.90.89	Compression-ignition internal combustion engines; exceeding 5 000 kW	16.XII.22
VII. Aerospace and Propulsion	X.A.VII.003	Aircraft engines, other than those specified in X.A.VII.002, the CML or in Regulation (EU) 2021/821, as follows: a. Reciprocating or rotary internal combustion piston engines; or b. Electric engines. Technical Note: For the purpose of X.A.VII.003 aircrafts includes: aeroplanes, UAVs, helicopters, autogyros, hybrid aircrafts or radio-controlled models	8501	Electric motors and generators (excluding generating sets):	16.XII.22
VII. Aerospace and Propulsion	X.B.VII.001	Vibration test equipment and specially designed components, other than those specified in the CML or in Regulation (EU) 2021/821.	9031.20.00	Test benches for motors, generators, pumps, etc.	25.II.22
VII. Aerospace and Propulsion	X.B.VII.001	Vibration test equipment and specially designed components, other than those specified in the CML or in Regulation (EU) 2021/821.	9031.80.20	Instruments, appliances and machines for measuring or checking geometrical quantities, n.e.s. in Chapter 90	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.a	Automated equipment using non-mechanical methods for measuring airfoil wall thickness;	9031.80.20	Instruments, appliances and machines for measuring or checking geometrical quantities, n.e.s. in Ch 90	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.b	Tooling, fixtures or measuring equipment for the 'laser', water jet or ECM/EDM hole drilling processes controlled by 9E003.c	8466.10.20	Arbors, collets and sleeves for use as tool holders in machine tools, incl. tool holders for any type of tool for working in the hand	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.b	Tooling, fixtures or measuring equipment for the 'laser', water jet or ECM/EDM hole drilling processes controlled by 9E003.c	8466.10.38	Tool holders for machine tools, incl. tool holders for any type of tool for working in the hand (excl. tool holders for lathes, arbors, collets and sleeves)	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.b	Tooling, fixtures or measuring equipment for the 'laser', water jet or ECM/EDM hole drilling processes controlled by 9E003.c	8466.20.20	Work holders for machine tools in the form of jigs and fixtures for specific applications, incl. sets of standard jig and fixture components	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.b	Tooling, fixtures or measuring equipment for the 'laser', water jet or ECM/EDM hole drilling processes controlled by 9E003.c	8466.20.98	Work holders for machine tools (excl. work holders for lathes and in the form of jigs and fixtures for specific applications, incl. sets of standard jig and fixture components)	25.II.22

VII. Aerospace and Propulsion	X.B.VII.002.b	Tooling, fixtures or measuring equipment for the 'laser', water jet or ECM/EDM hole drilling processes controlled by 9E003.c	8466.93.50	Parts and accessories for water-jet cutting machines, n.e.s.	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.b	Tooling, fixtures or measuring equipment for the 'laser', water jet or ECM/EDM hole drilling processes controlled by 9E003.c	8466.93.60	Parts and accessories for machine tools for working material by removing material of headings 8456 to 8461, n.e.s.	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.c	Ceramic core leaching equipment	8474.39.00	Other machinery for the treatment of 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	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.d	Ceramic core manufacturing equipment or tools	8474.80.10	Machinery for agglomerating, shaping or moulding ceramic paste	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.d	Ceramic core manufacturing equipment or tools	8514.11.00	Resistance heated furnaces and ovens; Hot isostatic presses	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.d	Ceramic core manufacturing equipment or tools	8514.19.80	Resistance heated furnaces and ovens; Other	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.e	Ceramic shell wax pattern preparation equipment;	8479.89.97	Other machines and mechanical appliances having individual functions, not specified or included elsewhere in chapter 84	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.f	Ceramic shell burn out or firing equipment	8514.11.00	Resistance heated furnaces and ovens; Hot isostatic presses	25.II.22
VII. Aerospace and Propulsion	X.B.VII.002.f	Ceramic shell burn out or firing equipment	8514.19.80	Resistance heated furnaces and ovens; Other	25.II.22
VII. Aerospace and Propulsion	X.D.VII.001	'Software', other than those specified in the CML or in Regulation (EU) 2021/821, for the 'development' or 'production' of equipment controlled by X.A.VII.001 or X.B.VII.001.	N/A	Software	25.II.22

VII. Aerospace and Propulsion	X.D.VII.002	'Software', for the 'development' or 'production' of equipment controlled by X.A.VII.002 or X.B.VII.002.	N/A	Software	25.II.22
VII. Aerospace and Propulsion	X.E.VII.001	'Technology', other than those specified in the CML or in Regulation (EU) 2021/821, for the 'development' or 'production' or 'use' of equipment controlled by X.A.VII.001 or X.B.VII.001.	N/A	Technology	25.II.22
VII. Aerospace and Propulsion	X.E.VII.002	'Technology', for the 'development', 'production' or 'use' of equipment controlled by X.A.VII.002 or X.B.VII.002.	N/A	Technology	25.II.22
VII. Aerospace and Propulsion	X.E.VII.003	Other 'technology', not described by 9E003, as follows: a. Rotor blade tip clearance control systems employing active compensating casing 'technology' limited to a design and development data base; or b. Gas bearing for turbine engine rotor assemblies.	N/A	Technology	25.II.22
VIII. Miscellaneous items	X.A.VIII.001.a	Drill head integrated measurement equipment, including internal navigation systems for measurement while drilling (MWD);	9014.80.00	Other navigational instruments and appliances:	08.IV.22
VIII. Miscellaneous items	X.A.VIII.001.b	Gas monitoring systems and detectors therefor, designed for continuous operation and detection of hydrogen sulphide	9027.10.10	Gas or smoke analysis apparatus	08.IV.22
VIII. Miscellaneous items	X.A.VIII.001.c	Equipment for seismological measurements, including reflection seismetics and seismic vibrators	9031.80.20	Instruments, appliances and machines for measuring or checking geometrical quantities, n.e.s. in Chapter 90	08.IV.22
VIII. Miscellaneous items	X.A.VIII.001.d	Sediment echo sounders	9015.80.20	Meteorological, hydrological and geophysical instruments and apparatus	08.IV.22
VIII. Miscellaneous items	X.A.VIII.002	Equipment, "electronic assemblies" and components, specially designed for quantum computers, quantum electronics, quantum sensors, quantum processing units, qubit circuits, qubit devices or quantum radar systems, including pockels cells.	8471.49.00	Other, portable automatic data-processing machines, weighing not more than 10 kg, consisting of at least a central processing unit, a keyboard and a display presented in the form of systems	08.IV.22
VIII. Miscellaneous items	X.A.VIII.002	Equipment, "electronic assemblies" and components, specially designed for quantum computers, quantum electronics, quantum sensors, quantum processing units, qubit circuits, qubit devices or quantum radar systems, including pockels cells.	8473.30.20	Parts and accessories of the machines of heading 8471; Electronic assemblies	08.IV.22

VIII. Miscellaneous items	X.A.VIII.002	Equipment, "electronic assemblies" and components, specially designed for quantum computers, quantum electronics, quantum sensors, quantum processing units, qubit circuits, qubit devices or quantum radar systems, including pockels cells.	8535.40.00	Lightning arresters, voltage limiters and surge suppressors	08.IV.22
VIII. Miscellaneous items	X.A.VIII.002	Equipment, "electronic assemblies" and components, specially designed for quantum computers, quantum electronics, quantum sensors, quantum processing units, qubit circuits, qubit devices or quantum radar systems, including pockels cells.	8535.90.00	Other electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits	08.IV.22
VIII. Miscellaneous items	X.A.VIII.002	Equipment, "electronic assemblies" and components, specially designed for quantum computers, quantum electronics, quantum sensors, quantum processing units, qubit circuits, qubit devices or quantum radar systems, including pockels cells.	8542.31	Processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	08.IV.22
VIII. Miscellaneous items	X.A.VIII.003	Microscopes, related equipment and detectors as follows	9012.10.00	Microscopes other than optical microscopes; diffraction apparatus	08.IV.22
VIII. Miscellaneous items	X.A.VIII.003	Microscopes, related equipment and detectors as follows	9012.90.00	Microscopes other than optical microscopes; diffraction apparatus; Parts and accessories	08.IV.22
VIII. Miscellaneous items	X.A.VIII.004	Collector equipment for metal ores in deep seabed	8905.20.00	Floating or submersible drilling or production platforms	08.IV.22
VIII. Miscellaneous items	X.A.VIII.005.a	Additive manufacturing equipment for the "production" of metal parts;	8485.10.00	Machines for additive manufacturing; By metal deposit	08.IV.22
VIII. Miscellaneous items	X.A.VIII.005.b	Additive manufacturing equipment for "energetic materials", including equipment using ultrasonic extrusion	8485.20.00	Machines for additive manufacturing; By plastics or rubber deposit	08.IV.22
VIII. Miscellaneous items	X.A.VIII.005.b	Additive manufacturing equipment for "energetic materials", including equipment using ultrasonic extrusion	8485.80.90	Other machines for additive manufacturing	08.IV.22
VIII. Miscellaneous items	X.A.VIII.005.c	Vat photopolymerization (VVP) additive manufacturing equipment using stereo lithography (SLA) or direct light processing (DLP)	8485.20.00	Machines for additive manufacturing; By plastics or rubber deposit	08.IV.22

VIII. Miscellaneous items	X.A.VIII.006	Equipment for the "production" of printed electronics for organic light emitting diodes (OLED), organic field-effect transistors (OFET) or organic photovoltaic cells (OPVC).	8486.30.00	Machines and apparatus for the manufacture of flat panel displays	08.IV.22
VIII. Miscellaneous items	X.A.VIII.006	Equipment for the "production" of printed electronics for organic light emitting diodes (OLED), organic field-effect transistors (OFET) or organic photovoltaic cells (OPVC).	8486.40.00	Machines and apparatus specified in note 11(C) to this chapter	08.IV.22
VIII. Miscellaneous items	X.A.VIII.006	Equipment for the "production" of printed electronics for organic light emitting diodes (OLED), organic field-effect transistors (OFET) or organic photovoltaic cells (OPVC).	8486.90.00	Parts and accessories of machines and apparatus of a kind used solely or principally for the manufacture of semiconductor boules or wafers, semiconductor devices, electronic integrated circuits or flat panel displays; machines and apparatus specified in note 11(C) to this chapter	08.IV.22
VIII. Miscellaneous items	X.A.VIII.007	Equipment for the "production" of microelectromechanical systems (MEMS) using the mechanical properties of silicon, including sensors in chip format like pressure membranes, bending beams or micro adjustment devices.	8486.20.00	Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	08.IV.22
VIII. Miscellaneous items	X.A.VIII.007	Equipment for the "production" of microelectromechanical systems (MEMS) using the mechanical properties of silicon, including sensors in chip format like pressure membranes, bending beams or micro adjustment devices.	8486.40.00	Machines and apparatus specified in note 11(C) to this chapter	08.IV.22
VIII. Miscellaneous items	X.A.VIII.008	Equipment, specially designed for the production of E-Fuels (electrofuels and synthetic fuels) or ultra efficient solar cells (efficiency > 30 %).	8419.60.00	Machinery for liquefying air or other gases	08.IV.22
VIII. Miscellaneous items	X.A.VIII.008	Equipment, specially designed for the production of E-Fuels (electrofuels and synthetic fuels) or ultra efficient solar cells (efficiency > 30 %).	8419.89.98	Other 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	08.IV.22
VIII. Miscellaneous items	X.A.VIII.008	Equipment, specially designed for the production of E-Fuels (electrofuels and synthetic fuels) or ultra efficient solar cells (efficiency > 30 %).	8486.10.00	Machines and apparatus for the manufacture of boules or wafers	08.IV.22
VIII. Miscellaneous items	X.A.VIII.008	Equipment, specially designed for the production of E-Fuels (electrofuels and synthetic fuels) or ultra efficient solar cells (efficiency > 30 %).	8486.20.00	Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	08.IV.22
VIII. Miscellaneous items	X.A.VIII.009.a	UHV pumps (sublimation, turbomolecular, diffusion, cryogenic, ion getter);	8414.10.15	Vacuum pumps of a kind used for the manufacture of semiconductors or solely or principally used for the manufacture of flat panel displays	08.IV.22

VIII. Miscellaneous items	X.A.VIII.009.a	UHV pumps (sublimation, turbomolecular, diffusion, cryogenic, ion getter);	8414.10.25	Vacuum pumps: rotary piston pumps, sliding vane rotary pumps, molecular drag pumps and Roots pumps	08.IV.22
VIII. Miscellaneous items	X.A.VIII.009.a	UHV pumps (sublimation, turbomolecular, diffusion, cryogenic, ion getter);	8414.10.81	Vacuum pumps: Diffusion pumps, cryopumps and adsorption pumps	08.IV.22
VIII. Miscellaneous items	X.A.VIII.009.b	UHV pressure gauges.	9026.20.20	Instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases; for measuring or checking pressure; electronic.	08.IV.22
VIII. Miscellaneous items	X.A.VIII.009.b	UHV pressure gauges.	9026.20.40	Instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases; for measuring or checking pressure; Spiral or metal diaphragm type pressure gauges	08.IV.22
VIII. Miscellaneous items	X.A.VIII.009.b	UHV pressure gauges.	9026.20.80	Instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases; for measuring or checking pressure; Other	08.IV.22
VIII. Miscellaneous items	X.A.VIII.010.a	Pulse Tubes for 'Cryogenic refrigeration systems'	8418.99.10	Evaporators and condensers, excluding those for refrigerators of the household type	08.IV.22
VIII. Miscellaneous items	X.A.VIII.010.b	Cryostats for 'Cryogenic refrigeration systems'	8418.69.00	Other refrigerating or freezing equipment	08.IV.22
VIII. Miscellaneous items	X.A.VIII.010.c	Dewars for 'Cryogenic refrigeration systems'	8419.89.98	Other machinery, plant and equipment	08.IV.22
VIII. Miscellaneous items	X.A.VIII.010.d	Gas Handling System (GHS) for 'Cryogenic refrigeration systems'	8419.50.80	Other Heat-exchange units	08.IV.22
VIII. Miscellaneous items	X.A.VIII.010.e	Compressors for 'Cryogenic refrigeration systems'	8414.30.81	Compressors of a kind used in refrigerating equipment; Of a power exceeding 0,4 kW; Hermetic or semi-hermetic	08.IV.22

VIII. Miscellaneous items	X.A.VIII.010.f	Control units for 'Cryogenic refrigeration systems'	8418.99.10	Evaporators and condensers, excluding those for refrigerators of the household type	08.IV.22
VIII. Miscellaneous items	X.A.VIII.011	'Decapsulation' equipment for semiconductor devices.	8486.40.00	Machines and apparatus specified in note 11(C) to this chapter	08.IV.22
VIII. Miscellaneous items	X.A.VIII.012	High Quantum Efficiency (QE) photodetectors with a QE greater than 80 % in the wavelength range exceeding 400 nm but not exceeding 1600 nm	9031.80.20	Instruments, appliances and machines for measuring or checking geometrical quantities, n.e.s. in Chapter 90	08.IV.22
VIII. Miscellaneous items	X.A.VIII.012	High Quantum Efficiency (QE) photodetectors with a QE greater than 80 % in the wavelength range exceeding 400 nm but not exceeding 1600 nm	9031.80.80	Other Measuring or checking instruments, appliances and machines, not specified or included elsewhere in chapter 90	08.IV.22
VIII. Miscellaneous items	X.A.VIII.013	Machine tools, having one or more linear axis with a travel length greater than 8000 mm.	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; water-jet cutting machines	08.IV.22
VIII. Miscellaneous items	X.A.VIII.013	Machine tools, having one or more linear axis with a travel length greater than 8000 mm.	8457	Machining centres, unit construction machines (single station) and multi-station transfer machines, for working metal	08.IV.22
VIII. Miscellaneous items	X.A.VIII.013	Machine tools, having one or more linear axis with a travel length greater than 8000 mm.	8458	Lathes (including turning centres) for removing metal	08.IV.22
VIII. Miscellaneous items	X.A.VIII.013	Machine tools, having one or more linear axis with a travel length greater than 8000 mm.	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	08.IV.22
VIII. Miscellaneous items	X.A.VIII.013	Machine tools, having one or more linear axis with a travel length greater than 8000 mm.	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	08.IV.22
VIII. Miscellaneous items	X.A.VIII.014	Water cannon systems for riot or crowd control, and components	8424.89	Other 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	21.VII.22

VIII. Miscellaneous items	X.A.VIII.014	Water cannon systems for riot or crowd control, and components	8424.90.80	Parts of 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	21.VII.22
VIII. Miscellaneous items	X.A.VIII.015	Law enforcement striking weapons, including saps, police batons, side handle batons, tonfas, sjamboks, and whips	9304.00.00	Other arms (for example, spring, air or gas guns and pistols, truncheons)	21.VII.22
VIII. Miscellaneous items	X.A.VIII.016	Police helmets and shields; and components	6506.10.80	Safety headgear of other materials different from plastic	21.VII.22
VIII. Miscellaneous items	X.A.VIII.016	Police helmets and shields; and components	3926.90.97	Other articles of plastics	21.VII.22
VIII. Miscellaneous items	X.A.VIII.017	Law enforcement restraint devices, including leg irons, shackles, and handcuffs; straight jackets; stun cuffs; shock belts; shock sleeves; multipoint restraint devices such as restraint chairs	4203.30.00	Belts and bandoliers	21.VII.22
VIII. Miscellaneous items	X.A.VIII.017	Law enforcement restraint devices, including leg irons, shackles, and handcuffs; straight jackets; stun cuffs; shock belts; shock sleeves; multipoint restraint devices such as restraint chairs	7326.90.98	Other articles of iron or steel	21.VII.22
VIII. Miscellaneous items	X.A.VIII.017	Law enforcement restraint devices, including leg irons, shackles, and handcuffs; straight jackets; stun cuffs; shock belts; shock sleeves; multipoint restraint devices such as restraint chairs	7616.99.90	Other articles of aluminium	21.VII.22
VIII. Miscellaneous items	X.A.VIII.017	Law enforcement restraint devices, including leg irons, shackles, and handcuffs; straight jackets; stun cuffs; shock belts; shock sleeves; multipoint restraint devices such as restraint chairs	8301.50.00	Clasps and frames with clasps, incorporating locks	21.VII.22
VIII. Miscellaneous items	X.A.VIII.018.a	Hydraulic fracturing design and analysis "software" and data;	N/A	software	21.VII.22
VIII. Miscellaneous items	X.A.VIII.018.b	Oil and gas exploration data; Hydraulic fracturing 'proppant,' 'fracking fluid,' and chemical additives therefor	2505.10.00	Silica sands and quartz sands	21.VII.22

	X.A.VIII.018.b	Oil and gas exploration data; Hydraulic fracturing 'proppant,' 'fracking fluid,' and chemical additives therefor	3824.99.96	Other prepared binders for foundry moulds or cores; chemical products and preparations of the chemical or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included	21.VII.22
VIII. Miscellaneous items	X.A.VIII.018.b	Oil and gas exploration data; Hydraulic fracturing 'proppant,' 'fracking fluid,' and chemical additives therefor	N/A	Various CN codes depending on the kind of the chemical additive	21.VII.22
VIII. Miscellaneous items	X.A.VIII.019	Specific processing equipment; ring magnets	8505.11.10	Permanent magnets and articles intended to become permanent magnets after magnetisation, of metal, containing neodymium, praseodymium, dysprosium or samarium	21.VII.22
VIII. Miscellaneous items	X.A.VIII.019	Specific processing equipment; ring magnets	8505.11.90	Permanent magnets and articles intended to become permanent magnets after magnetisation, of metal, others	21.VII.22
VIII. Miscellaneous items	X.A.VIII.019	Specific processing equipment; ring magnets	8505.19.10	Permanent magnets and articles intended to become permanent magnets after magnetisation, permanent magnets of agglomerated ferrite	21.VII.22
VIII. Miscellaneous items	X.A.VIII.019	Specific processing equipment; ring magnets	8505.19.90	Permanent magnets and articles intended to become permanent magnets after magnetisation, other	21.VII.22
VIII. Miscellaneous items	X.A.VIII.020.a	Portable electric discharge weapons that can target only one individual each time an electric shock is administered, including but not limited to electric shock batons, electric shock shields, stun guns and electric shock dart guns;	8543.70.90	Other machines and apparatus	06.X.22
VIII. Miscellaneous items	X.A.VIII.020.a	Portable electric discharge weapons that can target only one individual each time an electric shock is administered, including but not limited to electric shock batons, electric shock shields, stun guns and electric shock dart guns;	9304.00.00	Other arms (for example, spring, air or gas guns and pistols, truncheons), excluding those of heading 9307	06.X.22
VIII. Miscellaneous items	X.A.VIII.020.b	Kits containing all essential components for assembly of portable electric discharge weapons controlled by item X.A.VIII.020.a	8543.90.90	Parts of other machines and apparatus:	06.X.22
VIII. Miscellaneous items	X.A.VIII.020.b	Kits containing all essential components for assembly of portable electric discharge weapons controlled by item X.A.VIII.020.a	9305.99.00	Parts and accessories of articles of headings 9301 to 9304:	06.X.22

VIII. Miscellaneous items	X.A.VIII.020.b	Kits containing all essential components for assembly of portable electric discharge weapons controlled by item X.A.VIII.020.a	9305.99.00	Parts and accessories of articles of headings 9301 to 9304	06.X.22
VIII. Miscellaneous items	X.A.VIII.020.c	Fixed or mountable electric discharge weapons that cover a wide area and can target multiple individuals with electrical shocks	8543.70.90	Other machines and apparatus	06.X.22
VIII. Miscellaneous items	X.A.VIII.020.c	Fixed or mountable electric discharge weapons that cover a wide area and can target multiple individuals with electrical shocks	9304.00.00	Other arms (for example, spring, air or gas guns and pistols, truncheons), excluding those of heading 9307	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.a	Portable weapons and equipment which either administer a dose of an incapacitating or irritating chemical substance that targets one individual or disseminate a dose of such substance affecting a small area, e.g. in the form of a spray fog or cloud, when the chemical substance is administered or disseminated;	8424.20.00	Spray guns and similar appliances	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.a	Portable weapons and equipment which either administer a dose of an incapacitating or irritating chemical substance that targets one individual or disseminate a dose of such substance affecting a small area, e.g. in the form of a spray fog or cloud, when the chemical substance is administered or disseminated;	8424.89	Other appliances	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.a	Portable weapons and equipment which either administer a dose of an incapacitating or irritating chemical substance that targets one individual or disseminate a dose of such substance affecting a small area, e.g. in the form of a spray fog or cloud, when the chemical substance is administered or disseminated;	9304.00.00	Other arms (for example, spring, air or gas guns and pistols, truncheons), excluding those of heading 9307	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.b	Pelargonic acid vanillylamide (PAVA) (CAS 2444-46-4)	2939.79.90	Other alkaloids, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives of vegetal origin	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.c	Oleoresin capsicum (OC) (CAS 8023-77-6)	3301.90.30	Other extracted oleoresin	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.c	Oleoresin capsicum (OC) (CAS 8023-77-6)	1302.19.70	Other extracted oleoresin	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.d	Mixtures containing at least 0,3 % by weight of PAVA or OC and a solvent (such as ethanol, 1-propanol or hexane), which could be administered as such as incapacitating or irritating agents, in particular in aerosols and in liquid form, or used for manufacturing of incapacitating or irritating agents;	2939.79.90	Other alkaloids, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives of vegetal origin	06.X.22

VIII. Miscellaneous items	X.A.VIII.021.d	Mixtures containing at least 0,3 % by weight of PAVA or OC and a solvent (such as ethanol, 1-propanol or hexane), which could be administered as such as incapacitating or irritating agents, in particular in aerosols and in liquid form, or used for manufacturing of incapacitating or irritating agents;	3301.90.30	Other extracted oleoresin	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.d	Mixtures containing at least 0,3 % by weight of PAVA or OC and a solvent (such as ethanol, 1-propanol or hexane), which could be administered as such as incapacitating or irritating agents, in particular in aerosols and in liquid form, or used for manufacturing of incapacitating or irritating agents;	3302.10.90	Mixtures of a kind used in the food industries	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.d	Mixtures containing at least 0,3 % by weight of PAVA or OC and a solvent (such as ethanol, 1-propanol or hexane), which could be administered as such as incapacitating or irritating agents, in particular in aerosols and in liquid form, or used for manufacturing of incapacitating or irritating agents;	3302.90.10	Alcoholic solutions	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.d	Mixtures containing at least 0,3 % by weight of PAVA or OC and a solvent (such as ethanol, 1-propanol or hexane), which could be administered as such as incapacitating or irritating agents, in particular in aerosols and in liquid form, or used for manufacturing of incapacitating or irritating agents;	3302.90.90	Other mixtures of odoriferous substances and mixtures (including alcoholic solutions) with a basis of one or more of these substances, of a kind used as raw materials in industry	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.e	Fixed equipment for the dissemination of incapacitating or irritating chemical substances, which can be attached to a wall or to a ceiling inside a building, comprises a canister of irritating or incapacitating chemical agents and is activated using a remote control system	8424.20.00	Spray guns and similar appliances	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.e	Fixed equipment for the dissemination of incapacitating or irritating chemical substances, which can be attached to a wall or to a ceiling inside a building, comprises a canister of irritating or incapacitating chemical agents and is activated using a remote control system	8424.89	Other appliances	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.f	Fixed or mountable equipment for the dissemination of incapacitating or irritating chemical agents that covers a wide area and is not designed to be attached to a wall or to a ceiling inside a building.	8424.20.00	Spray guns and similar appliances	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.f	Fixed or mountable equipment for the dissemination of incapacitating or irritating chemical agents that covers a wide area and is not designed to be attached to a wall or to a ceiling inside a building.	8424.89	Other appliances	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.f	Fixed or mountable equipment for the dissemination of incapacitating or irritating chemical agents that covers a wide area and is not designed to be attached to a wall or to a ceiling inside a building.	9304.00.00	Other arms (for example, spring, air or gas guns and pistols, truncheons), excluding those of heading 9307	06.X.22
VIII. Miscellaneous items	X.A.VIII.021.g.1	Dibenzo[b, <i>f</i>][1,4]oxazepine (CR) (CAS 257-07-8);	2934.99.90	Other heterocyclic compounds	16.XII.22

VIII. Miscellaneous items	X.A.VIII.021.g.2	8-Methyl-N-vanillyl-trans-6-nonenamide (capsaicin) (CAS 404-86-4);	2939.79.90	Other heterocyclic compounds	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.g.3	8-Methyl-N-vanillylnonamide (dihydrocapsaicin) (CAS 19408-84-5);	2939.79.90	Other heterocyclic compounds	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.g.4	N-Vanillyl-9-methyldec-7-(E)-enamide (homocapsaicin) (CAS 58493-48-4);	2939.79.90	Other heterocyclic compounds	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.g.5	N-Vanillyl-9-methyldecanamide (homodihydrocapsaicin) (CAS 20279-06-5);	2939.79.90	Other heterocyclic compounds	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.g.6	N-Vanillyl-7-methyloctanamide (nordihydrocapsaicin) (CAS 28789-35-7);	2939.79.90	Other heterocyclic compounds	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.g.7	4-Nonanolmorpholine (MPA) (CAS 5299-64-9);	2934.99.90	Other heterocyclic compounds	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.g.8	Cis-4-acetylaminodicyclohexylmethane;	2924.29.70	Other carboxamide-function compounds; amide-function compounds of carbonic acid:	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.g.9	N,N'-Bis(isopropyl)ethylenediimine (CAS 4013-94-9)	2921.29.00	Other acyclic polyamines and their derivatives; salts thereof:	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.g.10	N,N'-Bis(tert-butyl)ethylenediimine (CAS 4062-60-6).	2921.29.00	Other acyclic polyamines and their derivatives; salts thereof:	16.XII.22
VIII. Miscellaneous items	X.A.VIII.021.h.1	Malononitril	2926.90.70	Other Nitrile-function compounds;	24.II.25

VIII. Miscellaneous items	X.A.VIII.021.h.2	2-Chlorobenzaldehyde	2913.00.00	Halogenated, sulphonated, nitrated or nitrosated derivatives of products of heading 2912	24.II.25
VIII. Miscellaneous items	X.A.VIII.021.h.3	2-Chlorobenzyl alcohol	2906.29.00	Other cyclic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives	24.II.25
VIII. Miscellaneous items	X.A.VIII.021.h.4	2-Chlorobenzylamine	2921.49.00	Other aromatic monoamines and their derivatives; salts thereof	24.II.25
VIII. Miscellaneous items	X.A.VIII.021.h.5	1-Chloro-2-(dimethoxymethyl)-benzene	2909.30.90	Other aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives:	24.II.25
VIII. Miscellaneous items	X.A.VIII.021.h.6	Acetophenone	2914.39.00	Aromatic ketones without other oxygen function other than phenylacetone	24.II.25
VIII. Miscellaneous items	X.A.VIII.021.h.7	Chloroacetyl chloride	2915.90.90	Saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives other than: Formic acid, its salts and esters, Acetic acid and its salts; acetic anhydride, Esters of acetic acid, Mono-, di- or trichloroacetic acids, their salts and esters, Propionic acid, its salts and esters, Butanoic acids, pentanoic acids, their salts and esters, Palmitic acid, stearic acid, their salts and esters, Perfluorinated carboxylic acids and their salts and esters, and their salts and esters	24.II.25
VIII. Miscellaneous items	X.A.VIII.021.h.8	2-Aminophenol	2922.29.00	Amino-naphthols and other amino-phenols, other than those containing more than one kind of oxygen function, their ethers and esters; salts thereof, other than Aminohydroxynaphthalenesulphonic acids and their salts.	24.II.25
VIII. Miscellaneous items	X.A.VIII.022.a.1	Amobarbital (CAS 57-43-2);	2933.53.90	Other compounds containing a pyrimidine ring (whether or not hydrogenated) or piperazine ring in the structure	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.a.2	Amobarbital sodium salt (CAS 64-43-7);	2933.53.90	Other compounds containing a pyrimidine ring (whether or not hydrogenated) or piperazine ring in the structure	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.a.3	Pentobarbital (CAS 76-74-4);	2933.53.90	Other compounds containing a pyrimidine ring (whether or not hydrogenated) or piperazine ring in the structure	06.X.22

VIII. Miscellaneous items	X.A.VIII.022.a.4	Pentobarbital sodium salt (CAS 57-33-0);	2933.53.90	Other compounds containing a pyrimidine ring (whether or not hydrogenated) or piperazine ring in the structure	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.a.5	Secobarbital (CAS 76-73-3);	2933.53.90	Other compounds containing a pyrimidine ring (whether or not hydrogenated) or piperazine ring in the structure	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.a.6	Secobarbital sodium salt (CAS 309-43-3);	2933.53.90	Other compounds containing a pyrimidine ring (whether or not hydrogenated) or piperazine ring in the structure	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.a.7	Thiopental (CAS 76-75-5); or	2933.53.90	Other compounds containing a pyrimidine ring (whether or not hydrogenated) or piperazine ring in the structure	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.a.8	Thiopental sodium salt (CAS 71-73-8), also known as thiopentone sodium;	2933.53.90	Other compounds containing a pyrimidine ring (whether or not hydrogenated) or piperazine ring in the structure	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.b	Products containing one of the anaesthetic agents listed under X.A.VIII.022.a, or intermediate acting barbiturate anaesthetic agents.	3003.90.00	Other medicaments (excluding goods of heading 3002, 3005 or 3006) consisting of two or more constituents which have been mixed together for therapeutic or prophylactic uses, not put up in measured doses or in forms or packings for retail sale	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.b	Products containing one of the anaesthetic agents listed under X.A.VIII.022.a, or intermediate acting barbiturate anaesthetic agents.	3004.90.00	Other medicaments (excluding goods of heading 3002, 3005 or 3006) consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses (including those in the form of transdermal administration systems) or in forms or packings for retail sale:	06.X.22
VIII. Miscellaneous items	X.A.VIII.022.b	Products containing one of the anaesthetic agents listed under X.A.VIII.022.a, or intermediate acting barbiturate anaesthetic agents.	3824.99.64	Other products and preparations for pharmaceutical or surgical uses	06.X.22
VIII. Miscellaneous items	X.A.VIII.023	Nettings, canopies, tents, blankets, and apparel (including tactical clothing, footwear, vests, carrying systems, and related accessories), specially designed or suitable for use in military combat, field operations, or for camouflage purposes	N/A	Various CN codes depending on the material and shape	23.X.25
VIII. Miscellaneous itemsA552:E554A55	X.A.VIII.024	All-terrain vehicles	8701.91.10	Agricultural tractors and forestry tractors, wheeled, of an engine power <= 18 kW (excl. pedestrian-controlled tractors)	24.VI.24

VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.91.90	Tractors, of an engine power <= 18 kW (excl. those of heading 8709, pedestrian-controlled tractors, road tractors for semi-trailers, track-laying tractors and wheeled agricultural/forestry tractors)	24.VI.24
VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.92.10	Agricultural tractors and forestry tractors, wheeled, of an engine power > 18 kW but <= 37 kW (excl. pedestrian-controlled tractors)	24.VI.24
VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.92.90	Tractors, of an engine power > 18 kW but <= 37 kW (excl. those of heading 8709, pedestrian-controlled tractors, road tractors for semi-trailers, track-laying tractors and wheeled agricultural/forestry tractors)	24.VI.24
VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.93.10	Agricultural tractors and forestry tractors, wheeled, of an engine power > 37 kW but <= 75 kW (excl. pedestrian-controlled tractors)	24.VI.24
VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.93.90	Tractors, of an engine power > 37 kW but <= 75 kW (excl. those of heading 8709, pedestrian-controlled tractors, road tractors for semi-trailers, track-laying tractors and wheeled agricultural/forestry tractors)	24.VI.24
VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.94.10	Agricultural tractors and forestry tractors, wheeled, of an engine power > 75 kW but <= 130 kW (excl. pedestrian-controlled tractors)	24.VI.24
VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.94.90	Tractors, of an engine power > 75 kW but <= 130 kW (excl. those of heading 8709, pedestrian-controlled tractors, road tractors for semi-trailers, track-laying tractors and wheeled agricultural/forestry tractors)	24.VI.24
VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.95.10	Agricultural tractors and forestry tractors, wheeled, of an engine power > 130 kW (excl. pedestrian-controlled tractors)	24.VI.24
VIII. Miscellaneous items	X.A.VIII.024	All-terrain vehicles	8701.95.90	Tractors, of an engine power > 130 kW (excl. those of heading 8709, pedestrian-controlled tractors, road tractors for semi-trailers, track-laying tractors and wheeled agricultural/forestry tractors)	24.VI.24
VIII. Miscellaneous items	X.B.VIII.001.a	Specific processing equipment; Hot cells	8428.90.90	Other machinery	21.VII.22

VIII. Miscellaneous items	X.B.VIII.001.b	Specific processing equipment; Glove boxes suitable for use with radioactive materials	8414.80.80	Other air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; gas-tight biological safety cabinets, whether or not fitted with filters:	21.VII.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	7205.21.00	Of alloy steel	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	7406.10.00	Powders of non-lamellar structure	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	7406.20.00	Powders of lamellar structure; flakes	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	7504.00.00	Nickel powders and flakes	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	7603.10.00	Aluminium powders of non-lamellar structure	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	7603.20.00	Aluminium powders of lamellar structure; flakes	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	7903.10.00	Zinc dust	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8101.10.00	Tungsten (wolfram) powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8102.10.00	Molybdenum powders	08.IV.22

VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8103.20.00	Unwrought tantalum, including bars and rods obtained simply by sintering; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8105.20.00	Cobalt mattes and other intermediate products of cobalt metallurgy; unwrought cobalt; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8106.10.10	Unwrought bismuth; waste and scrap; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8106.90.10	Unwrought bismuth; waste and scrap; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8108.20.00	Unwrought titanium; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8109.21.00	Containing less than 1 part hafnium to 500 parts zirconium by weight	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8109.29.00	Unwrought zirconium; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8110.10.00	Unwrought antimony; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8111.00.11	Unwrought manganese; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.12.00	Unwrought Beryllium; powders	08.IV.22

VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.21.10	Chromium alloys containing more than 10 % by weight of nickel	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.21.90	Other Chromium Unwrought; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.31.00	Unwrought Hafnium; waste and scrap; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.41.10	Rhenium Waste and scrap	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.41.90	Rhenium other	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.51.00	Unwrought Thallium; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.69.10	Unwrought cadmium; powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.001	Metal powders and metal alloy powders, usable for any of the systems listed in X.A.VIII.005.a.	8112.92	Unwrought; waste and scrap; powders: Niobium (columbium); gallium; indium; vanadium; germanium	08.IV.22
VIII. Miscellaneous items	X.C.VIII.002.a	Materials for cloaking or adaptive camouflage	N/A	It can be made of various materials	08.IV.22
VIII. Miscellaneous items	X.C.VIII.002.b	Metamaterials, e.g. with a negative refractive index;	N/A	It can be made of various materials	08.IV.22

VIII. Miscellaneous items	X.C.VIII.002.d	High entropy alloys (HEA);	Various possible HS chapters: 73, 76, 78, 79, etc.	Alloys can be classified in chapter 72, 73, 74, 75, etc. Without knowing the composition of the alloys is not possible to assign a CN code	08.IV.22
VIII. Miscellaneous items	X.C.VIII.002.e	Heusler compounds;	Various possible HS chapters: 73, 76, 78, 79, etc.	Heusler are intermetallic compounds which can be classified in chapter 72, 73, 74, 75, 81, etc. Without knowing the composition of the alloys is not possible to assign a CN code	08.IV.22
VIII. Miscellaneous items	X.C.VIII.002.f	Kitaev materials, including kitaev spin liquids.	Various possible HS chapters: 73, 76, 78, 79, etc.	Kitaev materials can be classified in various chapters of the Harmonized System	08.IV.22
VIII. Miscellaneous items	X.C.VIII.003	Conjugated polymers (conductive, semiconductive, electroluminescent) for printed or organic electronics.	3902.90.90	Other polymers of propylene or of other olefins, in primary forms	08.IV.22
VIII. Miscellaneous items	X.C.VIII.003	Conjugated polymers (conductive, semiconductive, electroluminescent) for printed or organic electronics.	3911.90.13	Poly(thio-1,4-phenylene)	08.IV.22
VIII. Miscellaneous items	X.C.VIII.003	Conjugated polymers (conductive, semiconductive, electroluminescent) for printed or organic electronics.	3911.90.19	Other condensation or rearrangement polymerisation products whether or not chemically modified	08.IV.22
VIII. Miscellaneous items	X.C.VIII.003	Conjugated polymers (conductive, semiconductive, electroluminescent) for printed or organic electronics.	3911.90.99	Other condensation or rearrangement polymerisation products whether or not chemically modified	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004	Mixtures and propellant preparations	3601.00.00	Propellant powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004	Mixtures and propellant preparations	3602.00.00	Prepared explosives, other than propellant powders	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .a	Ammonium picrate (CAS 131-74-8);	2908.99.00	Other halogenated, sulphonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols	08.IV.22

VIII. Miscellaneous items	X.C.VIII.004 .b	Black powder;	3601.00.00	Carbon (carbon blacks and other forms of carbon not elsewhere specified or included)	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .c	Hexanitrodiphenylamine (CAS 131-73-7);	2921.44.00	Diphenylamine and its derivatives; salts thereof	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .d	Difluoroamine(CAS 10405-27-3);	2812.90.00	Other halides and halide oxides of non-metals	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .e	Nitrostarch (CAS 9056-38-6);	3505.10.50	Starches, esterified or etherified	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .g	Tetranitronaphthalene;	2902.90.00	Other cyclic hydrocarbons	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .h	Trinitroanisol;	2909.30.90	Other aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .i	Trinitronaphthalene;	2902.90.00	Other cyclic hydrocarbons	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .j	Trinitroxylen;	2904.20.00	Derivatives containing only nitro or only nitroso groups	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .k	N-pyrrolidinone; 1-methyl-2-pyrrolidinone (CAS 872-50-4);	2939.79.90	Other alkaloids, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .l	Diocylmaleate (CAS 142-16-5);	2917.19.80	Other polycarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives	08.IV.22

VIII. Miscellaneous items	X.C.VIII.004 .m	Ethylhexylacrylate (CAS 103-11-7);	2916.12.00	Esters of acrylic acid	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .n	Triethylaluminium (TEA) (CAS 97-93-8), trimethylaluminium (TMA) (CAS 75-24-1), and other pyrophoric metal alkyls and aryls of lithium, sodium, magnesium, zinc or boron;	2931.90.00	Other organo-inorganic compounds	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .o	Nitrocellulose (CAS 9004-70-0);	3912.20.19	Other cellulose nitrates	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .p	Nitroglycerin (or glyceroltrinitrate, trinitroglycerine) (NG) (CAS 55-63-0);	2920.90.70	Other esters of other inorganic acids of non-metals (excluding esters of hydrogen halides) and their salts; their halogenated, sulphonated, nitrated or nitrosated derivatives	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .q	2,4,6-trinitrotoluene (TNT) (CAS 118-96-7);	2904.20.00	Derivatives containing only nitro or only nitroso groups	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .r	Ethylenediaminedinitrate (EDDN) (CAS 20829-66-7);	2920.90.70	Other esters of other inorganic acids of non-metals (excluding esters of hydrogen halides) and their salts; their halogenated, sulphonated, nitrated or nitrosated derivatives	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .s	Pentaerythritoltetranitrate (PETN) (CAS 78-11-5);	2920.90.70	Other esters of other inorganic acids of non-metals (excluding esters of hydrogen halides) and their salts; their halogenated, sulphonated, nitrated or nitrosated derivatives	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .t	Lead azide (CAS 13424-46-9), normal lead styphnate(CAS 15245-44-0) and basic lead styphnate (CAS 12403-82-6), and primary explosives or priming compositions containing azides or azide complexes;	2850.00.60	Azides; silicides	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .t	Lead azide (CAS 13424-46-9), normal lead styphnate(CAS 15245-44-0) and basic lead styphnate (CAS 12403-82-6), and primary explosives or priming compositions containing azides or azide complexes;	2908.99.00	Other halogenated, sulphonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .w	Diethylidiphenylurea (CAS 85-98-3); dimethyldiphenylurea(CAS 611-92-7); methylethylidiphenyl urea.	2924.21.00	Ureines and their derivatives; salts thereof	08.IV.22

VIII. Miscellaneous items	X.C.VIII.004 .x	N,N-diphenylurea (unsymmetrical diphenylurea) (CAS 603-54-3);	2924.21.00	Ureines and their derivatives; salts thereof	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .y	Methyl-N,N-diphenylurea (methyl unsymmetrical diphenylurea)(CAS 13114-72-2);	2924.21.00	Ureines and their derivatives; salts thereof	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .z	Ethyl-N,N-diphenylurea (ethyl unsymmetrical diphenylurea) (CAS 64544-71-4);	2924.21.00	Ureines and their derivatives; salts thereof	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .bb	4-Nitrodiphenylamine (4-NDPA)(CAS 836-30-6);	2921.44.00	Diphenylamine and its derivatives; salts thereof	08.IV.22
VIII. Miscellaneous items	X.C.VIII.004 .cc	2,2-dinitropropanol (CAS 918-52-5);	2905.59.98	Other acyclic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives	08.IV.22
VIII. Miscellaneous items	X.C.VIII.005.a	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Toluene Diisocyanate, in any isomeric form (CAS 584-84-9, 91-08-7, 26471-62-5)	2929.10.00	Isocyanates	18.VII.25
VIII. Miscellaneous items	X.C.VIII.005.b	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Methyl Diphenyl Diisocyanate (CAS 101-68-8);	2929.10.00	Isocyanates	18.VII.25
VIII. Miscellaneous items	X.C.VIII.005.c	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Isophorone Diisocyanate (CAS 4098-71-9);	2929.10.00	Isocyanates	18.VII.25
VIII. Miscellaneous items	X.C.VIII.005.d	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Xylidine in any isomeric form (CAS 87-59-2, 95-68-1, 95-78-3, 87-62-7, 95-63-6 or 108-69-0);	2921.49.00	Aromatic monoamines and derivatives; salts thereof (excl. aniline, toluidines, diphenylamine, 1-naphthylamine "alpha-naphthylamine", 2-naphthylamine "beta-naphthylamine" and their derivatives, and salts thereof, and amfetamine "INN", benzfetamine "INN", dexamfetamine "INN", etilamfetamine "INN", fencamfamine "INN", lefetamine "INN", levamfetamine "INN", mefenorex "INN" and phentermine "INN", and salts thereof)	18.VII.25
VIII. Miscellaneous items	X.C.VIII.005.e	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Hydroxy Terminated Polyether (HTPE);	3907,29	Polyethers, in primary forms (excl. polyacetals, bis(polyoxyethylene) methylphosphonate and goods of 3002)	18.VII.25

VIII. Miscellaneous items+A643:F646GG	X.C.VIII.005.f	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Hydroxy Terminated Caprolactone Ether (HTCE).	3907,29	Polyethers, in primary forms (excl. polyacetals, bis(polyoxyethylene) methylphosphonate and goods of 3002)	18.VII.25
VIII. Miscellaneous items	X.C.VIII.005.f	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Hydroxy Terminated Caprolactone Ether (HTCE).	3907.29.20	Unsaturated polyallyl esters and other polyesters, in primary forms (excl. polycarbonates, alkyd resins, poly"ethylene terephthalate" and poly"lactic acid")	18.VII.25
VIII. Miscellaneous items	X.C.VIII.005.f	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Hydroxy Terminated Caprolactone Ether (HTCE).	3907.99.80	Unsaturated polyallyl esters and other polyesters, in primary forms (excl. polycarbonates, alkyd resins, poly"ethylene terephthalate" and poly"lactic acid")	18.VII.25
VIII. Miscellaneous items	X.C.VIII.005.g	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Methyl trichlorosilane (CAS 75-79-6);	2931.90.00	Other halogenated organo-phosphorous derivatives	23.X.25
VIII. Miscellaneous items	X.C.VIII.005.h.1	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Ethylenediaminetetraacetic acid (EDTA) (CAS 60-00-4)	2922.49.85	Amino-acids, other than those containing more than one kind of oxygen function, and their esters; salts thereof, other than those referred to Lysine, Glutamic acid, Anthranilic acid, Tilidine (INN) and β -Alanine.	23.X.25
VIII. Miscellaneous items	X.C.VIII.005.h.2	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Disodium salt of EDTA (CAS 139-33-3 and CAS 6381-92-6)	2922.49.85	Amino-acids, other than those containing more than one kind of oxygen function, and their esters; salts thereof, other than those referred to Lysine, Glutamic acid, Anthranilic acid, Tilidine (INN) and β -Alanine.	23.X.25
VIII. Miscellaneous items	X.C.VIII.005.h.3	Precursors and constituent chemicals for propellants, and related auxiliary agents, as follows: Tetrasodium salt of EDTA (CAS 64-02-8)	2922.49.85	Amino-acids, other than those containing more than one kind of oxygen function, and their esters; salts thereof, other than those referred to Lysine, Glutamic acid, Anthranilic acid, Tilidine (INN) and β -Alanine.	23.X.25
VIII. Miscellaneous items	X.D.VIII.001	Software, specially designed for the 'development', 'production' or 'use' of equipment specified in X.A.VIII.005 to X.A.VIII.0013.	N/A	Software	08.IV.22
VIII. Miscellaneous items	X.D.VIII.002	Software, specially designed for the 'development', 'production' or 'use' of equipment, 'electronic assemblies' or components specified in X.A.VIII.002.	N/A	Software	08.IV.22
VIII. Miscellaneous items	X.D.VIII.003	Software for digital twins of additive manufacturing products or for the determination of the reliability of additive manufacturing products.	N/A	Software	08.IV.22

VIII. Miscellaneous items	X.D.VIII.004	"Software" specially designed for the "development," "production" or "use" of commodities controlled by X.A.VIII.014.	N/A	Software	08.IV.22
VIII. Miscellaneous items	X.D.VIII.005	Specific "software", as follows (see List of Items Controlled): a. "Software" for neutronic calculations/modeling; b. "Software" for radiation transport calculations/modeling; or c. "Software" for hydrodynamic calculations/modeling.	N/A	Software	08.IV.22
VIII. Miscellaneous items	X.E.VIII.001	Technology for the 'development', 'production' or 'use' of equipment specified in X.A.VIII.001 to X.A.VIII.0013.	N/A	Technology	08.IV.22
VIII. Miscellaneous items	X.E.VIII.002	Technology for the 'development', 'production' or 'use' of materials specified in X.C.VIII.002 or X.C.VIII.003	N/A	Technology	08.IV.22
VIII. Miscellaneous items	X.E.VIII.003	Technology for digital twins of additive manufacturing products, for the determination of the reliability of additive manufacturing products or for software specified in X.D.VIII.003.	N/A	Technology	08.IV.22
VIII. Miscellaneous items	X.E.VIII.004	"Technology" for the "development", "production" or "use" of "software" specified in X.D.VIII.001 to X.D.VIII.002.	N/A	Technology	08.IV.22
VIII. Miscellaneous items	X.E.VIII.005	"Technology" "required" for the "development" or "production" of commodities controlled by X.A.VIII.014.	N/A	Technology	08.IV.22
VIII. Miscellaneous items	X.E.VIII.006	"Technology" exclusively for the "development" or "production" of equipment controlled by X.A.VIII.017.	N/A	Technology	08.IV.22
IX. Special Materials and Related Equipment	X.A.IX.001	Chemical agents, including tear gas (CS, CN, liquid pepper, smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and components)	2914.79.00	Halogenated, sulphonated, nitrated or nitrosated derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.001	Chemical agents, including tear gas (CS, CN, liquid pepper, smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and components)	2926.90.70	Other Nitrile-function compounds	21.VII.22

IX. Special Materials and Related Equipment	X.A.IX.001	Chemical agents, including tear gas (CS, CN, liquid pepper, smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and components)	2934.99.90	Other compounds containing in the structure a phenothiazine ring-system (whether or not hydrogenated), not further fused	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.001	Chemical agents, including tear gas (CS, CN, liquid pepper, smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and components)	2939.79.90	Other alkaloids of vegetal origin	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.001	Chemical agents, including tear gas (CS, CN, liquid pepper, smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and components)	3301.90.30	Extracted oleoresins	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.001	Chemical agents, including tear gas (CS, CN, liquid pepper, smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and components)	3604.10.00	Fireworks	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.001	Chemical agents, including tear gas (CS, CN, liquid pepper, smoke bombs; non-irritant smoke flares, canisters, grenades and charges; and other pyrotechnic articles having dual military and commercial use, and components)	3604.90.00	Signalling flares, rain rockets, fog signals and other pyrotechnic articles	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.002	Fingerprinting powders, dyes, and inks	3824.99.96	Chemical products or preparations, predominantly not composed of organic compounds, not elsewhere specified or included	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.003.a	Protective and detection equipment not "specially designed" for military use and not controlled by 1A004 or 2B351; Personal radiation monitoring dosimeters	6210.10.98	Other garments made up of fabrics	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.003.a	Protective and detection equipment not "specially designed" for military use and not controlled by 1A004 or 2B351; Personal radiation monitoring dosimeters	9020.00.10	Gas masks	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.003.a	Protective and detection equipment not "specially designed" for military use and not controlled by 1A004 or 2B351; Personal radiation monitoring dosimeters	9027.10.10	Electronic gas or smoke analysis apparatus	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.003.b	Technology exclusively for the "development" or "production" of law enforcement restraint devices; Equipment limited by design or function to protect against hazards specific to civil industries, such as mining, quarrying, agriculture, pharmaceuticals, medical, veterinary, environmental, waste management, or to the food industry	N/A		21.VII.22

IX. Special Materials and Related Equipment	X.A.IX.004.a	Radiation detection, monitoring and measurement equipment, other than those specified in the CML or in Regulation (EU) 2021/821	9030.10.00	Instruments and apparatus for measuring or detecting ionising radiation	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.004.b	Radiographic detection equipment such as X-ray converters, and storage phosphor image plates	3701.10.00	Photographic plates for X-ray	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.004.b	Radiographic detection equipment such as X-ray converters, and storage phosphor image plates	3702.10.00	Photographic film in rolls for X-ray	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.004.b	Radiographic detection equipment such as X-ray converters, and storage phosphor image plates	9022.29.00	Apparatus based on the use of alpha, beta, gamma or other ionising radiation for other uses than for medical, surgical, dental or veterinary uses	21.VII.22
IX. Special Materials and Related Equipment	X.A.IX.004.b	Radiographic detection equipment such as X-ray converters, and storage phosphor image plates	9022.90.20	Parts and accessories of apparatus based on the use of X-rays	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.a	Specific processing equipment; Electrolytic cells for fluorine production	8543.30.70	Other Machines and apparatus for electroplating, electrolysis or electrophoresis	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.b	Specific processing equipment; Particle accelerators	8543.10.00	Particle accelerators	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.c	Specific processing equipment; Industrial process control hardware/systems designed for power industries	8537.10.10	Boards, panels, consoles, desks, cabinets and other bases, For a voltage not exceeding 1 000 V, Numerical control panels with built-in automatic data-processing machine.....	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.c	Specific processing equipment; Industrial process control hardware/systems designed for power industries	8537.10.91	Boards, panels, consoles, desks, cabinets and other bases, For a voltage not exceeding 1 000 V, Programmable memory controllers	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.c	Specific processing equipment; Industrial process control hardware/systems designed for power industries	8537.10.95	Boards, panels, consoles, desks, cabinets and other bases, For a voltage not exceeding 1 000 V, Numerical control panels with built-in automatic data-processing machine, Touch-Sensitive Data Input Device	21.VII.22

IX. Special Materials and Related Equipment	X.B.IX.001.c	Specific processing equipment; Industrial process control hardware/systems designed for power industries	8537.10.98	Boards, panels, consoles, desks, cabinets and other bases, For a voltage not exceeding 1 000 V, Numerical control panels with built-in automatic data-processing machine, Other	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.c	Specific processing equipment; Industrial process control hardware/systems designed for power industries	8537.20.91	Boards, panels, consoles, desks, cabinets and other bases, For a voltage exceeding 1 000 V, For a voltage exceeding 1 000 V but not exceeding 72,5 kV	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.c	Specific processing equipment; Industrial process control hardware/systems designed for power industries	8537.20.99	Boards, panels, consoles, desks, cabinets and other bases, For a voltage exceeding 1 000 V, For a voltage exceeding 72,5 kV	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.d	Freon and chilled water cooling systems capable of continuous cooling duties of 29,3 kW/hr or greater	8418.69.00	Other refrigerating or freezing equipment;	16.XII.22
IX. Special Materials and Related Equipment	X.B.IX.001.e	Specific processing equipment; Equipment for the production of structural composites, fibers, prepregs and preforms	8445	Machines for preparing textile fibres	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.e	Specific processing equipment; Equipment for the production of structural composites, fibers, prepregs and preforms	8446	Weaving machines (looms)	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.e	Specific processing equipment; Equipment for the production of structural composites, fibers, prepregs and preforms	8477.80.99	Other machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in chapter 84	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.e	Specific processing equipment; Equipment for the production of structural composites, fibers, prepregs and preforms	8451.80.30	Machines for dressing or finishing	21.VII.22
IX. Special Materials and Related Equipment	X.B.IX.001.e	Specific processing equipment; Equipment for the production of structural composites, fibers, prepregs and preforms	8477.80.11	Machines for processing reactive resins	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.1	Ethylene dichloride (CAS 107-06-2);	2903.15.00	Ethylene dichloride (ISO) (1,2-dichloroethane)	04.VI.22

IX. Special Materials and Related Equipment	X.C.IX.001.a.2	Nitromethane (CAS 75-52-5);	2904.20.00	Other sulphonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.3	Picric acid, (CAS 88-89-1);	2908.99.00	Other halogenated, sulphonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.4	Aluminum chloride (CAS 7446-70-0);	2827.32.00	Other chlorides of aluminium	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.5	Arsenic (CAS 7440-38-2);	2804.80.00	Arsenic	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.6	Arsenic trioxide (CAS 1327-53-3);	2811.29.10	Sulphur trioxide (sulphuric anhydride); diarsenic trioxide	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.7	Bis(2-chloroethyl)ethylamine hydrochloride (CAS 3590-07-6);	2921.19.99	Amine-function compounds	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.8	Bis(2-chloroethyl)methylamine hydrochloride (CAS 55-86-7);	2921.19.99	Amine-function compounds	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.9	Tris(2-chloroethyl)amine hydrochloride (CAS 817-09-4);	2921.19.99	Amine-function compounds	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.10	Tributylphosphite (CAS 102-85-2);	2920.29.00	Other phosphite esters and their salts; their halogenated, sulphonated, nitrated or nitrosated derivatives	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.11	Isocyanatomethane (CAS 624-83-9);	2929.10.00	Isocyanates	04.VI.22

IX. Special Materials and Related Equipment	X.C.IX.001.a.12	Quinaldine (CAS 91-63-4);	2933.49.90	Other compounds containing in the structure a quinoline or isoquinoline ring-system (whether or not hydrogenated), not further fused	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.13	2-bromochloroethane (CAS 107-04-0);	2903.79.30	Halogenated derivatives of hydrocarbonsonly with bromine and chlorine, fluorine and chlorine or with fluorine and bromine	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.14	Benzil (CAS 134-81-6);	2914.39.00	Other aromatic ketones without other oxygen function	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.15	Diethyl ether (CAS 60-29-7);	2909.11.00	Diethyl ether	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.16	Dimethyl ether (CAS 115-10-6);	2909.19.90	Other ethers, ether-alcohols, ether-phenols, ether-alcohol-phenols, alcohol peroxides, ether peroxides, acetal and hemiacetal peroxides, ketone peroxides (whether or not chemically defined), and their halogenated, sulphonated, nitrated or nitrosated derivatives	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.17	Dimethylaminoethanol (CAS 108-01-0)	2922.19.00	Other amino-alcohols, other than those containing more than one kind of oxygen function, their ethers and esters; salts thereof	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.18	2-methoxyethanol (CAS 109-86-4)	2909.44.00	Other monoalkylethers of ethylene glycol or of diethylene glycol	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.19	Butyrylcholinesterase (BCHE);	3507.90.90	Enzymes; prepared enzymes not elsewhere specified or included	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.20	Diethylenetriamine (CAS 111-40-0);	2921.29.00	Other acyclic polyamines and their derivatives; salts thereof	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.21	Dichloromethane (CAS 75-09-2);	2903.12.00	Dichloromethane (methylene chloride)	04.VI.22

IX. Special Materials and Related Equipment	X.C.IX.001.a.22	Dimethylaniline (CAS 121-69-7);	2921.42.00	Aniline derivatives and their salts	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.23	Ethyl bromide (CAS 74-96-4);	2903.69.19	Halogenated derivatives of hydrocarbons; other bromides	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.24	Ethyl chloride (CAS 75-00-3);	2903.11.00	Chloromethane (methyl chloride) and chloroethane (ethyl chloride)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.25	Ethylamine (CAS 75-04-7);	2921.19.99	Other acyclic monoamines and their derivatives; salts thereof:	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.26	Hexamine (CAS 100-97-0);	2933.69.40	Methenamine (INN) (hexamethylenetetramine); 2,6-di-tert-butyl-4-[4,6-bis (octylthio)-1,3,5-triazin-2-ylamino]phenol	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.27	Isopropanol (CAS 67- 63-0)	2905.12.00	Propan-1-ol (propyl alcohol) and propan-2-ol (isopropyl alcohol)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.28	Isopropyl bromide (CAS 75-26-3);	2903.69.19	Halogenated derivatives of hydrocarbons; other bromides	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.29	Isopropyl ether (CAS 108-20-3);	2909.19.90	Other Acyclic monoamines and their derivatives; salts thereof:	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.30	Methylamine (CAS 74-89-5);	2921.11.00	Methylamine, di- or trimethylamine and their salts	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.31	Methyl bromide (CAS 74-83-9);	2903.61.00	Methyl bromide (bromomethane)	04.VI.22

IX. Special Materials and Related Equipment	X.C.IX.001.a.32	Monoisopropylamine (CAS 75-31-0);	2921.19.99	Other acyclic monoamines and their derivatives; salts thereof:	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.33	Obidoxime chloride (CAS 114-90-9)	2933.39.99	Other compounds containing an unfused pyridine ring (whether or not hydrogenated) in the structure	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.34	Potassium bromide (CAS 7758-02-3);	2827.51.00	Bromides of sodium or of potassium	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.35	Pyridine (CAS 110-86-1);	2933.31.00	Pyridine and its salts	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.36	Pyridostigmine bromide (CAS 101-26-8);	2933.39.10	Iproniazid (INN); ketobemidone hydrochloride (INN); pyridostigmine bromide (INN)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.37	Sodium bromide (CAS 7647-15-6);	2827.51.00	Bromides of sodium or of potassium	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.38	Sodium metal (CAS 7440-23-5);	2805.11.00	Sodium metal	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.39	Tributylamine (CAS 102-82-9);	2921.19.99	Other acyclic monoamines and their derivatives; salts thereof:	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.40	Triethylamine (CAS 121-44-8); or	2921.19.99	Other acyclic monoamines and their derivatives; salts thereof:	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.a.41	Trimethylamine (CAS 75-50-3).	2921.11.00	Methylamine, di- or trimethylamine and their salts	04.VI.22

IX. Special Materials and Related Equipment	X.C.IX.001.b.1	Acetone (CAS 67-64-1);	2914.11.00	Acetone	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.2	Acetylene (CAS 74-86-2);	2901.29.00	Other acyclic hydrocarbons	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.3	Ammonia (CAS 7664-41-7);	2814.10.00	Anhydrous ammonia	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.4	Antimony (CAS 7440-36-0);	Heading 8110	Antimony and articles thereof, including waste and scrap	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.5	Benzaldehyde (CAS 100-52-7);	2912.21.00	Benzaldehyde	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.6	Benzoin (CAS 119-53-9);	2914.40.90	Other ketone-alcohols and ketone-aldehydes	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.7	1-Butanol (CAS 71-36-3);	2905.13.00	Butan-1-ol (n-butyl alcohol)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.8	2-Butanol (CAS 78-92-2);	2905.14.90	Other butanols	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.9	Iso-Butanol (CAS 78-83-1);	2905.14.90	Other butanols	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.10	Tert-Butanol (CAS 75-65-0);	2905.14.10	2-Methylpropan-2-ol (tert-butyl alcohol)	04.VI.22

IX. Special Materials and Related Equipment	X.C.IX.001.b.11	Calcium carbide (CAS 75-20-7);	2849.10.00	Carbides, whether or not chemically defined of calcium	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.12	Carbon monoxide (CAS 630-08-0);	2811.29.90	Other inorganic acids and other inorganic oxygen compounds of non- metals	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.13	Chlorine (CAS 7782-50-5);	2801.10.00	Chlorine	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.14	Cyclohexanol (CAS 108-93-0);	2906.12.00	Cyclohexanol, methylcyclohexanols and dimethylcyclohexanols	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.15	Dicyclohexylamine (CAS 101-83-7);	2921.30.99	Other cyclanic, cyclenic or cycloterpenic mono- or polyamines, and their derivatives; salts thereof	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.16	Ethanol (CAS 64-17-5);	2207.10.00	Undenatured ethyl alcohol of an alcoholic strength by volume of 80 % vol or higher	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.17	Ethylene (CAS 74-85-1);	2901.21.00	Ethylene	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.18	Ethylene oxide (CAS 75-21-8);	2910.10.00	Oxirane (ethylene oxide)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.19	Fluoroapatite (CAS 1306-05-4);	2835.39.00	Other polyphosphates	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.20	Hydrogen chloride (CAS 7647-01-0);	2806.10.00	Hydrogen chloride (hydrochloric acid)	04.VI.22

IX. Special Materials and Related Equipment	X.C.IX.001.b.21	Hydrogen sulfide (CAS 7783-06-4);	2811.19.80	Other inorganic acids	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.22	Mandelic acid (CAS 90-64-2);	2918.19.98	Other carboxylic acids with alcohol function but without other oxygen function, their anhydrides, halides, peroxides, peroxyacids and their derivatives	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.23	Methanol (CAS 67-56-1);	2905.11.00	Methanol (methyl alcohol)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.24	Methyl chloride (CAS 74-87-3);	2903.11.00	Chloromethane (methyl chloride) and chloroethane (ethyl chloride)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.25	Methyl iodide (CAS 74-88-4);	2903.69.80	Brominated or iodinated derivatives of acyclic hydrocarbons	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.26	Methyl mercaptan (CAS 74-93-1);	2930.90.95	Other organo-sulphur compounds:	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.27	Monoethyleneglycol (CAS 107-21-1);	2905.31.00	Ethylene glycol (ethanediol)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.28	Oxalyl chloride (CAS 79-37-8);	2917.19.80	Other acyclic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.29	Potassium sulphide (CAS 1312-73-8);	2830.90.85	Halogenated derivatives of cyclanic, cyclenic or cycloterpenic hydrocarbons; iodides	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.30	Potassium thiocyanate (CAS 333-20-0);	2842.90.80	Other salts of inorganic acids or peroxyacids (including aluminosilicates whether or not chemically defined), other than azides	04.VI.22

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IX. Special Materials and Related Equipment	X.C.IX.001.b.31	Sodium hypochlorite (CAS 7681-52-9);	2828.90.00	Other hypochlorites; commercial calcium hypochlorite; chlorites; hypobromites	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.32	Sulphur (CAS 7704-34-9);	2802.00.00	Sulphur, sublimed or precipitated; colloidal sulphur	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.33	Sulphur dioxide (CAS 7446-09-5);	2811.29.05	Sulphur dioxide	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.34	Sulphur trioxide (CAS 7446-11-9);	2811.29.10	Sulphur trioxide (sulphuric anhydride); diarsenic trioxide	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.35	Thiophosphoryl chloride (CAS 3982-91-0);	2853.90.90	Other inorganic compounds	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.36	Tri-isobutyl phosphite (CAS 1606-96-8);	2920.29.00	Other phosphite esters and their salts; their halogenated, sulphonated, nitrated or nitrosated derivatives	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.37	White phosphorus (CAS 12185-10-3); or	2804.70.90	Other phosphorus	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.38	Yellow phosphorus (CAS 7723-14-0).	2804.70.90	Other phosphorus	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.001.b.39	Mercury (CAS 7439-97-6);	2805.40.00	Mercury	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.40	Barium chloride (CAS 10361-37-2);	2827.39.85	Other chlorides	06-Oct-22

IX. Special Materials and Related Equipment	X.C.IX.001.b.41	Sulphuric acid (CAS 7664-93-9);	2807.00.00	Sulphuric acid; oleum	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.42	3,3-dimethyl-1-butene (CAS 558-37-2);	2901.29.00	Other saturated acyclic hydrocarbons	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.43	2,2-dimethylpropanal (CAS 630-19-3);	2912.19.00	Other aldehydes, whether or not with other oxygen function	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.44	2,2-dimethylpropylchloride (CAS 753-89-9);	2903.19.00	Other saturated chlorinated derivatives of acyclic hydrocarbons	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.45	2-methylbutene (CAS 26760-64-5);	2901.29.00	Other saturated acyclic hydrocarbons	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.46	2-chloro-3-methylbutane (CAS 631-65-2);	2903.19.00	Other saturated chlorinated derivatives of acyclic hydrocarbons	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.47	2,3-dimethyl-2,3-butanediol (CAS 76-09-5);	2905.39.95	Other diols	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.48	2-methyl-2-butene (CAS 513-35-9);	2901.29.00	Other saturated acyclic hydrocarbons	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.49	Butyl lithium (CAS 109-72-8);	2931.90.00	Other organo-inorganic compounds	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.50	Bromo(methyl)magnesium (CAS 75-16-1);	2931.90.00	Other organo-inorganic compounds	06-Oct-22

IX. Special Materials and Related Equipment	X.C.IX.001.b.51	Formaldehyde (CAS 50-00-0);	2912.11.00	Methanal (formaldehyde)	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.52	Diethanolamine (CAS 111-42-2);	2922.12.00	Diethanolamine and its salts	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.53	Dimethylcarbonate (CAS 616-38-6);	2920.90.10	Sulphuric esters and carbonic esters and their salts, and their halogenated, sulphonated, nitrated or nitrosated derivatives	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.54	Methyldiethanolamine hydrochloride (CAS 54060-15-0);	2922.19.00	Other amino-alcohols, other than those containing more than one kind of oxygen function, their ethers and esters; salts thereof	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.55	Diethylamine hydrochloride (CAS 660-68-4);	2921.19.50	Diethylamine and its salts	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.56	Diisopropylamine hydrochloride (CAS 819-79-4);	2921.19.99	Other acyclic monoamines and their derivatives; salts thereof	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.57	3-Quinuclidinone hydrochloride (CAS 1193-65-3);	2933.39.99	Other compounds containing an unfused pyridine ring (whether or not hydrogenated) in the structure	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.58	3-Quinuclidinol hydrochloride (CAS 6238-13-7);	2933.39.99	Other compounds containing an unfused pyridine ring (whether or not hydrogenated) in the structure	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.59	(R)-3- Quinuclidinol hydrochloride (CAS 42437-96-7);	2933.39.99	Other compounds containing an unfused pyridine ring (whether or not hydrogenated) in the structure	06-Oct-22
IX. Special Materials and Related Equipment	X.C.IX.001.b.60	N,N-Diethylaminoethanol hydrochloride (CAS 14426-20-1).	2922.19.00	Other amino-alcohols, other than those containing more than one kind of oxygen function, their ethers and esters; salts thereof	06-Oct-22

IX. Special Materials and Related Equipment	X.C.IX.001.b.91	N,N-Dimethylpropanamide dihydrochloride (CAS 79972-73-9);	2925.29.00	Other carboximide-function compounds (including saccharin and its salts) and imine-function compounds	23-Jun-23
IX. Special Materials and Related Equipment	X.C.IX.001.b.92	N,N-Dimethylpropanamide hydrochloride (CAS 56776-15-9).	2925.29.00	Other carboximide-function compounds (including saccharin and its salts) and imine-function compounds	23-Jun-23
IX. Special Materials and Related Equipment	X.C.IX.001.b.93	Chloroform (CAS 67-66-3)	2903.13.00	Chloroform (trichloromethane)	20.V.25
IX. Special Materials and Related Equipment	X.C.IX.002	Fentanyl and its derivatives	2933.33.00	Alfentanil (INN), anileridine (INN), bezitramide (INN), bromazepam (INN), carfentanil (INN), difenoxin (INN), diphenoxylate (INN), dipipanone (INN), fentanyl (INN), ketobemidone (INN), methylphenidate (INN), pentazocine (INN), pethidine (INN), pethidine (INN) intermediate A, phencyclidine (INN) (PCP), phenoperidine (INN), pipradrol (INN), piritramide (INN), propiram (INN), remifentanil (INN) and trimeperidine (INN); salts thereof	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.002	Fentanyl and its derivatives	2934.91.00	Aminorex (INN), brotizolam (INN), clotiazepam (INN), cloxazolam (INN), dextromoramide (INN), haloxazolam (INN), ketazolam (INN), mesocarb (INN), oxazolam (INN), pemoline (INN), phendimetrazine (INN), phenmetrazine (INN) and sufentanil (INN); salts thereof	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.003	Chemical precursors to Central Nervous System Acting Chemicals, '4-anilino-N-phenethylpiperidine (CAS 21409-26-7) and 'N-phenethyl-4-piperidone (CAS 39742-60-4).	2933.36.00	4-Anilino-N-phenethylpiperidine (ANPP)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.003	Chemical precursors to Central Nervous System Acting Chemicals, '4-anilino-N-phenethylpiperidine (CAS 21409-26-7) and 'N-phenethyl-4-piperidone (CAS 39742-60-4).	2933.37.00	N-Phenethyl-4-piperidone (NPP)	04.VI.22
IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	5402.11.00	High tenacity yarn of aramid whether or not textured	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	5501.11.00	Synthetic filament tow of aramid	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	5503.11.00	Synthetic staple fibres, not carded, combed or otherwise processed for spinning of aramid	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	6815.11.00	Carbon fibres	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	6815.12.00	Fabrics of carbon fibres	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	6815.19.00	Other articles of carbon fibres	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	7019.12.00	Glass fibre rovings	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	7019.13.00	Other yarn, slivers	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.004	Fibrous and filamentary materials, not controlled by 1C010 or 1C210, for use in "composite" structures and with a specific modulus of $3,18 \times 10^6$ m or greater and a specific tensile strength of $7,62 \times 10^4$ m or greater.	7019.19.00	Other slivers, rovings, yarn and chopped strands and mats thereof	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.a	Vaccines containing, or designed for use against, items controlled by 1C351, 1C353 or 1C354	3002.41	Human vaccines	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.b	Immunotoxins containing items controlled by 1C351.d	3002.49.00	Cultures of microorganisms, toxins, etc.	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.c.1	Medical products that contain any of the following; Toxins controlled by 1C351.d (except for botulinum toxins controlled by 1C351.d.3, conotoxins controlled by 1C351.d.6, or items controlled for CW reasons under 1C351.d.11 or .d.12);	3002.49.00	Cultures of microorganisms, toxins, etc.	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.c.2	Medical products that contain any of the following; Genetically modified organisms or genetic elements controlled by 1C353.a.3 (except for those that contain, or code for, botulinum toxins controlled by 1C351.d.3 or conotoxins controlled by ECCN 1C351.d.6	3002.51.00	Cell therapy products	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.005.c.2	Medical products that contain any of the following; Genetically modified organisms or genetic elements controlled by 1C353.a.3 (except for those that contain, or code for, botulinum toxins controlled by 1C351.d.3 or conotoxins controlled by ECCN 1C351.d.6	3002.59.00	Other cell cultures whether or not modified	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.d.1	Medical products not controlled by 1C991.c that contain Botulinum toxins controlled by ECCN 1C351.d.3	3002.49.00	Cultures of microorganisms, toxins, etc.	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.d.2	Medical products not controlled by 1C991.c that contain Conotoxins controlled by 1C351.d.6	3002.49.00	Cultures of microorganisms, toxins, etc.	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.d.3	Medical products not controlled by 1C991.c that contain Genetically modified organisms or genetic elements controlled by 1C353.a.3 that contain, or code for, botulinum toxins controlled by 1C351.d.3 or conotoxins controlled by 1C351.d.6	3002.59.00	Other cell cultures whether or not modified	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.e	Diagnostic and food testing kits containing items controlled by 1C351.d (except for items controlled for CW reasons under 1C351.d.11 or .d.12).	3822.19.00	Other diagnostic or laboratory reagents on a backing, prepared diagnostic or laboratory reagents whether or not on a backing, whether or not put up in the form of kits:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.005.e	Diagnostic and food testing kits containing items controlled by 1C351.d (except for items controlled for CW reasons under 1C351.d.11 or .d.12).	3822.90.00	Other diagnostic or laboratory reagents on a backing, prepared diagnostic or laboratory reagents whether or not on a backing, whether or not put up in the form of kits, other than those of heading 3006; certified reference materials	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.a	Commercial charges and devices containing energetic materials; Shaped charges "specially designed" for oil well operations, utilizing one charge functioning along a single axis, that upon detonation produce a hole	3602.00.00	Prepared explosives, other than propellant powders	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.b	Shaped charges "specially designed" for oil well operations containing less than or equal to 0,010 kg of controlled materials	3602.00.00	Prepared explosives, other than propellant powders	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.c	Detonation cord or shock tubes containing less than or equal to 0,064 kg per meter (300 grains per foot) of controlled materials	3603.20.00	Detonating cord	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.d	Cartridge power devices, that contain less than or equal to 0,70 kg of controlled materials in the deflagration material;	3602.00.00	Prepared explosives, other than propellant powders	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.006.e	Detonators (electric or nonelectric) and assemblies thereof, that contain less than or equal to 0,01 kg of controlled materials;	3603.40.00	Detonating caps	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.e	Detonators (electric or nonelectric) and assemblies thereof, that contain less than or equal to 0,01 kg of controlled materials;	3603.60.00	Electric detonators	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.f	Igniters, that contain less than or equal to 0,01 kg of controlled materials;	3603.50.00	Igniters	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.g	Oil well cartridges, that contain less than or equal to 0,015 kg of controlled energetic materials;	3602.00.00	Prepared explosives, other than propellant powders	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.h	Commercial cast or pressed boosters containing less than or equal to 1,0 kg of controlled materials;	3602.00.00	Prepared explosives, other than propellant powders	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.i	Commercial prefabricated slurries and emulsions containing less than or equal to 10,0 kg and less than or equal to 35 % by weight of ML8 'controlled materials';	3601.00.00	Propellant powders	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.j	Cutters and severing tools containing less than or equal to 3,5 kg of 'controlled materials';	3602.00.00	Prepared explosives, other than propellant powders	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.k	Pyrotechnic devices when designed exclusively for commercial purposes (e.g., theatrical stages, motion picture special effects, and fireworks displays) and containing less than or equal to 3,0 kg of 'controlled materials';	3604.10.00	Fireworks	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.l	l. Other commercial explosive devices and charges not controlled by X.C.IX.006.a through.k containing less than or equal to 1,0 kg of 'controlled materials';	3602.00.00	Prepared explosives, other than propellant powders	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.006.m	Nitrogen trifluoride (NF ₃) in a gaseous state	2812.90.00	Other halides and halide oxides of non-metals:	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	Mixtures containing the following concentrations of precursor chemicals controlled by 1C350:			
IX. Special Materials and Related Equipment	X.C.IX.007.a	Thiodiglycol	2930.70.00	Thiodiglycol	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Phosphorus oxychloride; POCl ₃	2812.12.00	Phosphorus oxychloride; POCl ₃	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Dimethyl methylphosphonate	2931.41.00	Dimethyl methylphosphonate	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Methylphosphonyl dichloride	2931.51.00	Methylphosphonyl dichloride	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Dimethyl phosphite	2920.21.00	Dimethyl phosphite	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Phosphorus trichloride; PCl ₃	2812.13.00	Phosphorus trichloride; PCl ₃	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Trimethyl phosphite	2920.23.00	Trimethyl phosphite	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Thionyl chloride; SOCl ₂	2812.17.00	Thionyl chloride; SOCl ₂	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	3-Hydroxy-1-methylpiperidine	2933.39.99	Other compounds containing an unfused pyridine ring	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diisopropyl-(beta)-aminoethyl chloride	2921.19.99	Other acyclic monoamines	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diisopropyl-(beta)-aminoethane thiol	2930.90.98	Other organo-sulphur compounds	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	3-Quinuclidinol	2933.35.00	3-Quinuclidinol	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	R-(-)-3-Quinuclidinol	2933.35.00	R-(-)-3-Quinuclidinol	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Potassium fluoride; KF	2826.19.90	Other fluorides	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	2-Chloroethanol	2905.59.98	Other halogenated, sulphonated, nitrated or nitrosated derivatives of acyclic alcohols	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Dimethylamine	2921.11.00	Methylamine, di- or trimethylamine and their salts	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diethyl ethylphosphonate	2931.43.00	Diethyl ethylphosphonate	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diethyl N,N-dimethylphosphoramidate	2929.90.00	Other compounds with other nitrogen function	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diethyl phosphite	2920.22.00	Diethyl phosphite	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	Dimethylamine hydrochloride	2921.11.00	Dimethylamine hydrochloride	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ethylphosphinyl dichloride	2931.59.90	Other halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ethylphosphonyl dichloride	2931.59.90	Other halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ethylphosphonyl difluoride	2931.59.90	Other halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Hydrogen fluoride; HF	2811.11.00	Hydrogen fluoride; HF	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Methyl benzilate	2918.19.98	Other carboxylic acids with alcohol function but without other oxygen function	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Methylphosphinyl dichloride	2931.59.90	Other halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diisopropyl-(beta)-amino-ethanol	2922.18.00	N,N-Diisopropyl-(beta)-amino-ethanol	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Pinacolyl alcohol	2905.19.00	Other saturated monohydric alcohols	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Triethyl phosphite	2920.24.00	Triethyl phosphite	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	Arsenic trichloride; AsCl ₃	2812.19.90	Other chlorides and chloride oxides	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Benzilic acid	2918.17.00	Benzilic acid	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diethyl methylphosphonite	2931.49.90	Other non-halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Dimethyl ethylphosphonate	2931.49.90	Other non-halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ethylphosphinyl difluoride	2931.59.90	Other halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Methylphosphinyl difluoride	2931.59.90	Other halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	3-Quinuclidone	2933.39.99	Other halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Phosphorus pentachloride; PCl ₅	2812.14.00	Phosphorus pentachloride;	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Pinacolone	2914.19.90	Other acyclic ketones without other oxygen function	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Potassium cyanide; KCN	2837.19.00	Potassium cyanide;	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	Potassium bifluoride; KHF_2	2826.19.90	Other fluorides	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ammonium hydrogen fluoride; $(\text{NH}_4)\text{HF}_2$	2826.19.10	Fluorides of ammonium or sodium	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Sodium fluoride; NaF	2826.19.10	Fluorides of ammonium or sodium	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Sodium bifluoride; NaHF_2	2826.19.10	Fluorides of ammonium or sodium	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Sodium cyanide; NaCN	2837.11.00	Sodium cyanide;	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Triethanolamine	2922.15.00	Triethanolamine	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Phosphorus pentasulphide	2813.90.10	Phosphorus sulphides, commercial phosphorus trisulphide	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diisopropylamine	2921.19.99	Other acyclic monoamines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diethylaminoethanol	2922.19.00	Diethylaminoethanol	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Sodium sulphide; Na_2S	2830.10.00	Sodium sulphide;	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	Sulphur monochloride; S_2Cl_2	2812.15.00	Sulphur monochloride;	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Sulphur dichloride: SCl_2	2812.16.00	Sulphur dichloride:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Triethanolamine hydrochloride	2922.19.00	Triethanolamine hydrochloride	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diisopropyl-2-aminoethyl chloride hydrochloride	2921.14.00	N,N-Diisopropyl-2-aminoethyl chloride hydrochloride	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Methylphosphonic acid	2931.44.00	Methylphosphonic acid	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diethyl methylphosphonate	2931.49.90	Other non-halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dimethylaminophosphoryl dichloride	2929.90.00	N,N-Dimethylaminophosphoryl dichloride	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Triisopropyl phosphite	2920.29.00	Triisopropyl phosphite	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ethyl-diethanolamine	2922.17.00	Ethyl-diethanolamine	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	O,O-Diethyl phosphorothioate	2920.19.00	O,O-Diethyl phosphorothioate	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	O,O-Diethyl phosphorodithioate	2920.19.00	O,O-Diethyl phosphorodithioate	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Sodium hexafluorosilicate; Na ₂ SiF ₆	2826.90.80	Other fluorides	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Methylphosphonothioic dichloride	2931.59.90	Other halogenated organo-phosphorous derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diethylamine	2921.19.50	Diethylamine and its salts	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diisopropylaminoethanethiol hydrochloride	2930.90.98	Other organo-sulphur compounds	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Methyl dichlorophosphate	2920.90.70	Other esters of inorganic acids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ethyl dichlorophosphate	2920.90.70	Other esters of inorganic acids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Methyl difluorophosphate	2920.90.70	Other esters of inorganic acids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ethyl difluorophosphate	2920.90.70	Other esters of inorganic acids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Diethyl chlorophosphite	2920.29.00	Other esters of inorganic acids	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	Methyl chlorofluorophosphate	2920.90.70	Other esters of inorganic acids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	Ethyl chlorofluorophosphate	2920.90.70	Other esters of inorganic acids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dimethylformamide	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diethylformamide	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dipropylformamide	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diisopropylformamide	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dimethylacetamide	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diethylacetamide	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dipropylacetamide	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dimethylpropanamide	2925.29.00	Other Imines and their derivatives	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diethylpropanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dipropylpropanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dimethylbutanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diethylbutanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dipropylbutanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diisopropylbutanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dimethylisobutanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Diethylisobutanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.a	N,N-Dipropylisobutanamidine	2925.29.00	Other Imines and their derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	b. Mixtures containing the following concentrations of toxic or precursor chemicals controlled by 1C450:			

IX. Special Materials and Related Equipment	X.C.IX.007.b	Phosgene	2812.11.00	Phosgene	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	Cyanogen chloride	2853.10.00	Cyanogen chloride	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	Hydrogen cyanide	2811.12.00	Hydrogen cyanide	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	Chloropicrin	2904.91.00	Chloropicrin	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	Methyldiethanolamine and ethyldiethanolamine	2922.17.00	Methyldiethanolamine and ethyldiethanolamine	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	Methylphosphonic acid compound with (aminoiminomethyl)urea (1:1)	2931.45.00	Methylphosphonic acid compound with (aminoiminomethyl)urea (1:1)	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	2,4,6-Tripropyl-1,3,5,2,4,6-trioxatriphosphinane 2,4,6-trioxide	2931.46.00	2,4,6-Tripropyl-1,3,5,2,4,6-trioxatriphosphinane 2,4,6-trioxide	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	(5-Ethyl-2-methyl-2-oxido-1,3,2-dioxaphosphinan-5-yl)methyl methyl methylphosphonate	2931.47.00	(5-Ethyl-2-methyl-2-oxido-1,3,2-dioxaphosphinan-5-yl)methyl methyl methylphosphonate	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	3,9-Dimethyl-2,4,8,10-tetraoxa-3,9- diphosphaspiro[5.5]undecane 3,9-dioxide	2931.48.00	3,9-Dimethyl-2,4,8,10-tetraoxa-3,9- diphosphaspiro[5.5]undecane 3,9-dioxide	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	Sodium 3-(trihydroxysilyl)propyl methylphosphonate	2931.49.10	Sodium 3-(trihydroxysilyl)propyl methylphosphonate	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.007.b	Bis[(5-Ethyl-2-methyl-2-oxido-1,3,2- dioxaphosphinan-5-yl)methyl] methylphosphonate	2931.49.20	Bis[(5-Ethyl-2-methyl-2-oxido-1,3,2- dioxaphosphinan-5-yl)methyl] methylphosphonate	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	2-(N,N-Dimethylamino) ethanethiol	2930.10.00	2-(N,N-Dimethylamino) ethanethiol	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.b	2-(N,N-Diethylamino)ethanethiol.	2930.60.00	2-(N,N-Diethylamino)ethanethiol.	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.007.c	Medical, analytical, diagnostic, and food testing kits that contain precursor chemicals controlled by 1C350 amount not exceeding 300 grams per chemical.	3822	Diagnostic or laboratory reagents on a backing, prepared diagnostic or laboratory reagents whether or not on a backing, other than those of heading 3002 or 3006; certified reference materials	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.008	Non fluorinated polymeric substances, not controlled by 1C008; Polyarylene ether ketones, as follows: a.1. Polyether ether ketone (PEEK); a.2. Polyether ketone ketone (PEKK); a.3. Polyether ketone (PEK); a.4. Polyether ketone ether ketone ketone (PEKEKK);	3907.29.99	Other polyethers	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.a	Specific materials; Hardened steel and tungsten carbide precision ball bearings (3mm or greater diameter);	8482.10.10	Ball bearings with greatest external diameter not exceeding 30 mm	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.a	Specific materials; Hardened steel and tungsten carbide precision ball bearings (3mm or greater diameter);	8482.10.90	Other ball bearings	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.11.00	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.12.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.12.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.13.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.13.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.14.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.14.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.21.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.21.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.22.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.22.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.23.00	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.24.00	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.31.00	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.32.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.32.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.33.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.33.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.34.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.34.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.35.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.35.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.90.20	Flat-rolled products of stainless steel, of a width of 600 mm or more, other	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7219.90.80	Flat-rolled products of stainless steel, of a width of 600 mm or more, other	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.11.00	Flat-rolled products of stainless steel, of a width of less than 600 mm: Of a thickness of 4,75 mm or more	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.12.00	Flat-rolled products of stainless steel, of a width of less than 600 mm: Of a thickness of less than 4,75 mm	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.20.21	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.20.29	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.20.41	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.20.49	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.20.81	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.20.89	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.90.20	Flat-rolled products of stainless steel, of a width of less than 600 mm: other	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.009.b	Specific materials; 304 and 316 stainless steel plate	7220.90.80	Flat-rolled products of stainless steel, of a width of less than 600 mm: other	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.c	Specific materials; Monel plate	7506.20.00	Nickel plates, sheets, strip and foil; of nickel alloys	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.d	Specific materials; Tributyl phosphate	2919.90.00	Phosphoric esters and their salts, including lactophosphates; their halogenated, sulphonated, nitrated or nitrosated derivatives	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.e	Specific materials; Nitric acid in concentrations of 20 weight percent or greater	2808.00.00	Nitric acid; sulphonitric acids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.f	Specific materials; Fluorine	2801.30.10	Fluorine	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.g	Specific materials; Alpha emitting radionuclides	2844.42	Actinium-225, actinium-227, californium-253, curium-240, curium-241, curium-242, curium-243, curium-244, einsteinium-253, einsteinium-254, gadolinium-148, polonium-208, polonium-209, polonium-210, radium-223, uranium-230 or uranium-232, and their compounds; alloys, dispersions (including cermets), ceramic products and mixtures containing these elements or compounds	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.g	Specific materials; Alpha emitting radionuclides	2844.43	Other radioactive elements and isotopes and compounds; other alloys, dispersions (including cermets), ceramic products and mixtures containing these elements, isotopes or compounds	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.009.g	Specific materials; Alpha emitting radionuclides	2844.44	Radioactive residues	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.010	Aromatic polyamides (aramids) not controlled by 1C010, 1C210 or X.C.IX.004, presented in any of the following forms (see List of Items Controlled): a. Primary forms; b. Filament yarn or monofilaments; c. Filament tows; d. Rovings; e. Spools or chopped fibers;	5402.11.00	Synthetic filament yarn (other than sewing thread), not put up for retail sale, including synthetic monofilament of less than 67 decitex; High tenacity yarn of nylon or other polyamides, whether or not textured; of aramids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.010	Aromatic polyamides (aramids) not controlled by 1C010, 1C210 or X.C.IX.004, presented in any of the following forms (see List of Items Controlled): a. Primary forms; b. Filament yarn or monofilaments; c. Filament tows; d. Rovings; e. Spools or chopped fibers;	5501.11.00	Synthetic filament tow; Of nylon or other polyamides; of aramids	21.VII.22

IX. Special Materials and Related Equipment	X.C.IX.010	Aromatic polyamides (aramids) not controlled by 1C010, 1C210 or X.C.IX.004, presented in any of the following forms (see List of Items Controlled): a. Primary forms; b. Filament yarn or monofilaments; c. Filament tows; d. Rovings; e. Staple or chopped fibres;	5503.11.00	Synthetic staple fibres, not carded, combed or otherwise processed for spinning; Of nylon or other polyamides; Of aramids	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.010	Aromatic polyamides (aramids) not controlled by 1C010, 1C210 or X.C.IX.004, presented in any of the following forms (see List of Items Controlled): a. Primary forms; b. Filament yarn or monofilaments; c. Filament tows; d. Rovings; e. Staple or chopped fibres;	5601.30.00	Textile flock and dust and mill neps	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.010	Aromatic polyamides (aramids) not controlled by 1C010, 1C210 or X.C.IX.004, presented in any of the following forms (see List of Items Controlled): a. Primary forms; b. Filament yarn or monofilaments; c. Filament tows; d. Rovings; e. Staple or chopped fibres;	5902.10.90	Tyre cord fabric of high-tenacity yarn of nylon or other polyamides	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.011	Nanomaterials as follows (see List of Items Controlled): a. Semiconductor nanomaterials; b. Composite-based nanomaterials; or c. Any of the following carbon-based nanomaterials: 1. Carbon nanotubes; 2. Carbon nanofibres; 3. Fullerenes;	6815.11.00	Carbon fibres	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.011	Nanomaterials as follows (see List of Items Controlled): a. Semiconductor nanomaterials; b. Composite-based nanomaterials; or c. Any of the following carbon-based nanomaterials: 1. Carbon nanotubes; 2. Carbon nanofibres; 3. Fullerenes;	6815.12.00	Fabrics of carbon fibres	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.011	Nanomaterials as follows (see List of Items Controlled): a. Semiconductor nanomaterials; b. Composite-based nanomaterials; or c. Any of the following carbon-based nanomaterials: 1. Carbon nanotubes; 2. Carbon nanofibres; 3. Fullerenes;	6815.13.00	Other articles of carbon fibres	21.VII.22
IX. Special Materials and Related Equipment	X.C.IX.012	Rare-earth metals and compounds, either in organic or inorganic form, including mixtures whether or not intermixed or interalloyed. Note 1: Rare-earth metals and compounds include Scandium, Yttrium, Lanthanum, Cerium, Praseodymium, Neodymium, Promethium, Samarium, Europium, Gadolinium, Terbium, Dysprosium, Holmium, Erbium, Thulium, Ytterbium and Lutetium; Note 2: For the purpose of the control X.C.IX.012 minerals containing rare-earth metals are excluded; Note 3: X.C.IX.012 does not control mixtures in which no individually metal or compound specified in this entry.	2805.30.10	Rare-earth metals; 'Intermixtures or interalloys	25.II.23
IX. Special Materials and Related Equipment	X.C.IX.012	Rare-earth metals and compounds, either in organic or inorganic form, including mixtures whether or not intermixed or interalloyed. Note 1: Rare-earth metals and compounds include Scandium, Yttrium, Lanthanum, Cerium, Praseodymium, Neodymium, Promethium, Samarium, Europium, Gadolinium, Terbium, Dysprosium, Holmium, Erbium, Thulium, Ytterbium and Lutetium; Note 2: For the purpose of the control X.C.IX.012 minerals containing rare-earth metals are excluded; Note 3: X.C.IX.012 does not control mixtures in which no individually metal or compound specified in this entry.	2805.30.21	Rare earth metals, of a purity by weight of 95 % or more; Cerium and lanthanum	25.II.23
IX. Special Materials and Related Equipment	X.C.IX.012	Rare-earth metals and compounds, either in organic or inorganic form, including mixtures whether or not intermixed or interalloyed. Note 1: Rare-earth metals and compounds include Scandium, Yttrium, Lanthanum, Cerium, Praseodymium, Neodymium, Promethium, Samarium, Europium, Gadolinium, Terbium, Dysprosium, Holmium, Erbium, Thulium, Ytterbium and Lutetium; Note 2: For the purpose of the control X.C.IX.012 minerals containing rare-earth metals are excluded; Note 3: X.C.IX.012 does not control mixtures in which no individually metal or compound specified in this entry.	2805.30.29	Rare earth metals, of a purity by weight of 95 % or more; Praseodymium, neodymium and samarium	25.II.23
IX. Special Materials and Related Equipment	X.C.IX.012	Rare-earth metals and compounds, either in organic or inorganic form, including mixtures whether or not intermixed or interalloyed. Note 1: Rare-earth metals and compounds include Scandium, Yttrium, Lanthanum, Cerium, Praseodymium, Neodymium, Promethium, Samarium, Europium, Gadolinium, Terbium, Dysprosium, Holmium, Erbium, Thulium, Ytterbium and Lutetium; Note 2: For the purpose of the control X.C.IX.012 minerals containing rare-earth metals are excluded; Note 3: X.C.IX.012 does not control mixtures in which no individually metal or compound specified in this entry.	2805.30.31	Rare earth metals, of a purity by weight of 95 % or more; Gadolinium, terbium and dysprosium	25.II.23

IX. Special Materials and Related Equipment	X.C.IX.013	Tungsten, tungsten carbide and alloys, not controlled by 1C117 or 1C226, containing more than 90 % tungsten by weight. Note 1: For the purpose of the control X.C.IX.013, wire is excluded Note 2: For the purpose of the control X.C.IX.013, surgical or medical instruments are excluded.	8101.10.00	Tungsten powders	23.VI.23	
IX. Special Materials and Related Equipment	X.C.IX.013	Tungsten, tungsten carbide and alloys, not controlled by 1C117 or 1C226, containing more than 90 % tungsten by weight. Note 1: For the purpose of the control X.C.IX.013, wire is excluded Note 2: For the purpose of the control X.C.IX.013, surgical or medical instruments are excluded.	8101.94.00	Unwrought tungsten, including bars and rods obtained simply by sintering	23.VI.23	
IX. Special Materials and Related Equipment	X.C.IX.013	Tungsten, tungsten carbide and alloys, not controlled by 1C117 or 1C226, containing more than 90 % tungsten by weight. Note 1: For the purpose of the control X.C.IX.013, wire is excluded Note 2: For the purpose of the control X.C.IX.013, surgical or medical instruments are excluded.	8101.97.00	Tungsten waste and scrap	23.VI.23	
IX. Special Materials and Related Equipment	X.C.IX.013	Tungsten, tungsten carbide and alloys, not controlled by 1C117 or 1C226, containing more than 90 % tungsten by weight. Note 1: For the purpose of the control X.C.IX.013, wire is excluded Note 2: For the purpose of the control X.C.IX.013, surgical or medical instruments are excluded.	8101.99.10	Bars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil	23.VI.23	
IX. Special Materials and Related Equipment	X.C.IX.013	Tungsten, tungsten carbide and alloys, not controlled by 1C117 or 1C226, containing more than 90 % tungsten by weight. Note 1: For the purpose of the control X.C.IX.013, wire is excluded Note 2: For the purpose of the control X.C.IX.013, surgical or medical instruments are excluded.	8101.99.90	Other tungsten articles	23.VI.23	
IX. Special Materials and Related Equipment	X.C.IX.014.a	Lithium (CAS 7439-93-2)	2805.19.90	Alkali or alkaline-earth metals (excl. sodium and calcium)	19.XII.23	
IX. Special Materials and Related Equipment	X.C.IX.014.b	Lithium carbonate (CAS 554-13-2)	2836.91.00	Lithium carbonates	19.XII.23	
IX. Special Materials and Related Equipment	X.C.IX.014.c	Lithium hydroxide (CAS 1310-65-2 and CAS 1310-66-3)	2825.20.00	Lithium oxide and hydroxide	19.XII.23	
IX. Special Materials and Related Equipment	X.C.IX.014.d	Lithium oxide (CAS 12057-24-8)	2825.20.00	Lithium oxide and hydroxide	19.XII.23	
IX. Special Materials and Related Equipment	X.C.IX.014.e	Lithium cobalt oxide (CAS 12190-79-3)	2841.90.40	Salts of oxometallic or peroxometallic acids (excl. chromates, dichromates, peroxychromates, manganites, manganates, permanganates, molybdates, tungstates "wolframates", zincates and vanadates)	19.XII.23	

IX. Special Materials and Related Equipment	X.C.IX.014.f	Lithium iron phosphate (CAS 15365-14-7)	2835.29.90	Phosphates (excl. phosphates of monosodium, disodium, potassium, calcium and mercury)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.014.g	Lithium manganese oxide (CAS 12057-17-9)	2841.90.40	Manganites, manganates and permanganates (excl. potassium permanganate)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.014.h	Lithium nickel manganese cobalt oxide CAS (346417-97-8)	2841.90.40	Salts of oxometallic or peroxometallic acids (excl. chromates, dichromates, peroxochromates, manganites, manganates, permanganates, molybdates, tungstates "wolframantes", zincates and vanadates)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.014.i	Lithium titanate (CAS 12031-82-2)	2841.90.70	Salts of oxometallic or peroxometallic acids (excl. chromates, dichromates, peroxochromates, manganites, manganates, permanganates, molybdates, tungstates "wolframantes", zincates and vanadates)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	3901.20.10	Polyethylene in blocks of irregular shape, lumps, powders, granules, flakes and similar bulk forms, of a specific gravity of $\geq 0,958$ at 23°C, containing ≤ 50 mg/kg of aluminium, ≤ 2 mg/kg of calcium, of chromium, of iron, of nickel and of titanium each and ≤ 8 mg/kg of vanadium, for the manufacture of chlorosulphonated polyethylene	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	3901.20.90	Polyethylene with a specific gravity of $\geq 0,94$, in primary forms (excl. polyethylene in blocks of irregular shape, lumps, powders, granules, flakes and similar bulk forms, of a specific gravity of $\geq 0,958$ at 23°C, containing ≤ 50 mg/kg of aluminium, ≤ 2 mg/kg of calcium, of chromium, of iron, of nickel and of titanium each and ≤ 8 mg/kg of vanadium, for the manufacture of chlorosulphonated polyethylene)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5402.39.00	Textured synthetic filament yarn (excl. sewing thread, yarn put up for retail sale and textured filament yarn of polypropylene, polyester, nylon or other polyamides)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5402.49.00	Synthetic filament yarn, incl. synthetic monofilament of < 67 decitex, single, untwisted or with a twist of ≤ 50 turns per metre (excl. sewing thread, yarn put up for retail sale, textured yarn, elastomeric yarn and filament yarn of polyester, nylon or other polyamides)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5402.59.00	Synthetic filament yarn, incl. synthetic monofilament of < 67 decitex, single, with a twist of > 50 turns per metre (excl. sewing thread, yarn put up for retail sale, textured yarn and filament yarn of polyester, polypropylene, nylon or other polyamides)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5402.69.00	Multiple "folded" or cabled synthetic filament yarn, incl. synthetic monofilament of < 67 decitex (excl. sewing thread, yarn put up for retail sale, textured yarn and filament yarn of polyester, polypropylene, nylon or other polyamides)	19.XII.23

IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5404.90.90	Strip and the like, e.g. artificial straw, of synthetic textile material, with an apparent width of <= 5 mm	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5407.20.11	Woven fabrics obtained from strip or the like of polyethylene or polypropylene, of a width of less than 3 m	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5407.20.19	Woven fabrics obtained from strip or the like of polyethylene or polypropylene, of a width of more than 3 m	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5501.90.00	Synthetic filament tow (excluding polyamides, polyesters, acrylic or moidacrylic and polypropylene)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5503.90.00	Synthetic staple fibres, not carded, combed or otherwise processed for spinning (excluding polyamides, polyesters, acrylic or moidacrylic and polypropylene)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5506.90.00	Synthetic staple fibres, carded, combed or otherwise processed for spinning (excluding polyamides, polyesters, acrylic or moidacrylic and polypropylene)	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.015	Ultra-High-Molecular-Weight Polyethylene (UHMWPE), not controlled by 1C010 or 1C210, presented in any of the following forms:	5601.30.00	Textile flock and dust and mill neps	19.XII.23
IX. Special Materials and Related Equipment	X.C.IX.016	Molybdenum and alloys, not controlled by 1C117, containing more than 90 % molybdenum by weight	8102	Molybdenum and articles thereof, including waste and scrap	23.X.25
IX. Special Materials and Related Equipment	X.D.IX.001	Specific software, other than those specified in the CML or in Regulation (EU) 2021/821, as follows (see List of Items Controlled): a. Software specially designed for industrial process control hardware/systems controlled by X.B.IX.001, other than those specified in the CML or in Regulation (EU) 2021/821; or b. Software specially designed for equipment for the production of structural composites, fibres, prepreps and preforms controlled by X.B.IX.001 other than those specified in the CML or in Regulation (EU) 2021/821	N/A	Software	21.VII.22
IX. Special Materials and Related Equipment	X.E.IX.001	"Technology" for the "development", "production", or "use" of fibrous and filamentary materials controlled by X.C.IX.004 and X.C.IX.010.	N/A	Technology	21.VII.22

IX. Special Materials and Related Equipment	X.E.IX.002	"Technology" for the "development", "production", or "use" of nanomaterials controlled by X.C.IX.011.	N/A	Technology	21.VII.22
X. Materials Processing	X.A.X.001.a	Explosives detection equipment for automated decision making to detect and identify bulk explosives utilizing, but not limited to, x-ray (e.g., computed tomography, dual energy, or coherent scattering), nuclear (e.g., thermal neutron analysis, pulse fast neutron analysis, pulse fast neutron transmission spectroscopy, and gamma resonance absorption), or electromagnetic techniques (e.g., quadropole resonance and dielectrometry).	9022.12.00	Computed tomography apparatus	21.VII.22
X. Materials Processing	X.A.X.001.a	Explosives detection equipment for automated decision making to detect and identify bulk explosives utilizing, but not limited to, x-ray (e.g., computed tomography, dual energy, or coherent scattering), nuclear (e.g., thermal neutron analysis, pulse fast neutron analysis, pulse fast neutron transmission spectroscopy, and gamma resonance absorption), or electromagnetic techniques (e.g., quadropole resonance and dielectrometry).	9022.19.00	Apparatus based on the use of alpha, beta, gamma or other ionising radiation, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:	21.VII.22
X. Materials Processing	X.A.X.001.a	Explosives detection equipment for automated decision making to detect and identify bulk explosives utilizing, but not limited to, x-ray (e.g., computed tomography, dual energy, or coherent scattering), nuclear (e.g., thermal neutron analysis, pulse fast neutron analysis, pulse fast neutron transmission spectroscopy, and gamma resonance absorption), or electromagnetic techniques (e.g., quadropole resonance and dielectrometry).	9027.30.00	Spectrometers, spectrophotometers and spectrographs using optical radiation (UV, visible, IR)	21.VII.22
X. Materials Processing	X.A.X.001.a	Explosives detection equipment for automated decision making to detect and identify bulk explosives utilizing, but not limited to, x-ray (e.g., computed tomography, dual energy, or coherent scattering), nuclear (e.g., thermal neutron analysis, pulse fast neutron analysis, pulse fast neutron transmission spectroscopy, and gamma resonance absorption), or electromagnetic techniques (e.g., quadropole resonance and dielectrometry).	9027.89.90	Other Instruments and apparatus for physical or chemical analysis	21.VII.22
X. Materials Processing	X.A.X.001.c	Detonator detection equipment for automated decision making to detect and identify initiation devices (e.g. detonators, blasting caps) utilizing, but not limited to, x-ray (e.g. dual energy or computed tomography) or electromagnetic techniques.	9022.12.00	Computed tomography apparatus	21.VII.22
X. Materials Processing	X.A.X.001.c	Detonator detection equipment for automated decision making to detect and identify initiation devices (e.g. detonators, blasting caps) utilizing, but not limited to, x-ray (e.g. dual energy or computed tomography) or electromagnetic techniques.	9022.19.00	Apparatus based on the use of alpha, beta, gamma or other ionising radiation, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:	21.VII.22
X. Materials Processing	X.A.X.001.c	Detonator detection equipment for automated decision making to detect and identify initiation devices (e.g. detonators, blasting caps) utilizing, but not limited to, x-ray (e.g. dual energy or computed tomography) or electromagnetic techniques.	9027.30.00	Spectrometers, spectrophotometers and spectrographs using optical radiation (UV, visible, IR)	21.VII.22
X. Materials Processing	X.A.X.001.c	Detonator detection equipment for automated decision making to detect and identify initiation devices (e.g. detonators, blasting caps) utilizing, but not limited to, x-ray (e.g. dual energy or computed tomography) or electromagnetic techniques.	9027.89.90	Other Instruments and apparatus for physical or chemical analysis	21.VII.22
X. Materials Processing	X.A.X.002	Concealed object detection equipment operating in the frequency range from 30 GHz to 3000 GHz and having a spatial resolution of 0,1 mrad (milliradian) up to and including 1 mrad (milliradian) at a standoff distance of 100 m; and components, other than those specified in the CML or in Regulation (EU) 2021/821.	8526.10.00	Radar apparatus	21.VII.22

X. Materials Processing	X.A.X.002	Concealed object detection equipment operating in the frequency range from 30 GHz to 3 000 GHz and having a spatial resolution of 0,1 mrad (milliradian) up to and including 1 mrad (milliradian) at a standoff distance of 100 m; and components, other than those specified in the CML or in Regulation (EU) 2021/821.	8526.92.00	Radio remote control apparatus	21.VII.22
X. Materials Processing	X.A.X.003.a.1	Ball bearings or Solid ball bearings, having tolerances specified by the manufacturer in accordance with ABEC 7, ABEC 7P, or ABEC 7T or ISO Standard Class 4 or better (or equivalents) and having any of the following characteristics; Manufactured for use at operating temperatures above 573 K (300°C) either by using special materials or by special heat treatment; or	8482.10.10	Ball bearings with greatest external diameter not exceeding 30 mm	21.VII.22
X. Materials Processing	X.A.X.002	Concealed object detection equipment operating in the frequency range from 30 GHz to 3 000 GHz and having a spatial resolution of 0,1 mrad (milliradian) up to and including 1 mrad (milliradian) at a standoff distance of 100 m; and components, other than those specified in the CML or in Regulation (EU) 2021/821.	8482.10.90	Other ball bearings	21.VII.22
X. Materials Processing	X.A.X.003.a.2	Ball bearings or Solid ball bearings, having tolerances specified by the manufacturer in accordance with ABEC 7, ABEC 7P, or ABEC 7T or ISO Standard Class 4 or better (or equivalents) and With lubricating elements or "part" or "component" modifications that, according to the manufacturer's specifications, are "specially designed" to enable the bearings to operate at speeds exceeding 2,3 million DN	8482.10.10	Ball bearings with greatest external diameter not exceeding 30 mm	21.VII.22
X. Materials Processing	X.A.X.003.a.2	Ball bearings or Solid ball bearings, having tolerances specified by the manufacturer in accordance with ABEC 7, ABEC 7P, or ABEC 7T or ISO Standard Class 4 or better (or equivalents) and With lubricating elements or "part" or "component" modifications that, according to the manufacturer's specifications, are "specially designed" to enable the bearings to operate at speeds exceeding 2,3 million DN	8482.10.90	Other ball bearings	21.VII.22
X. Materials Processing	X.A.X.003.b.1	Solid tapered roller bearings, having tolerances specified by the manufacturer in accordance with ANSI/AFBMA Class 00 (inch) or Class A (metric) or better (or equivalents) and With lubricating elements or "part" or "component" modifications that, according to the manufacturer's specifications, are "specially designed" to enable the bearings to operate at speeds exceeding 2,3 million DN	8482.20.00	Tapered roller bearings, including cone and tapered roller assemblies	21.VII.22
X. Materials Processing	X.A.X.003.b.2	Solid tapered roller bearings, having tolerances specified by the manufacturer in accordance with ANSI/AFBMA Class 00 (inch) or Class A (metric) or better (or equivalents) and Manufactured for use at operating temperatures below 219 K (- 54 °C) or above 423 K (150°C).	8482.20.00	Tapered roller bearings, including cone and tapered roller assemblies	21.VII.22
X. Materials Processing	X.A.X.003.c	Gas-lubricated foil bearing manufactured for use at operating temperatures of 561 K (288 °C) or higher and a unit load capacity exceeding 1 Mpa	8482.50.00	Other cylindrical roller bearings, including cage and roller assemblies	21.VII.22
X. Materials Processing	X.A.X.003.d	Active magnetic bearing systems.	8505.20.00	Electromagnetic couplings, clutches and brakes	21.VII.22
X. Materials Processing	X.A.X.003.d	Active magnetic bearing systems.	8505.90.29	Other electromagnetic couplings, clutches and brakes	21.VII.22

X. Materials Processing	X.A.X.003.e	Fabric-lined self-aligning or fabric-lined journal sliding bearings manufactured for use at operating temperatures below 219 K (-54 °C) or above 423 K (150 °C).	8482.80.00	Other, including combined ball/roller bearings	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.11.00	Tubes, pipes and hollow profiles, seamless, line pipe of a kind used for oil or gas pipelines, of stainless steel	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.41.00	Tubes, pipes and hollow profiles, seamless, of circular cross-section, of stainless steel.	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.49.85	Tubes, pipes and hollow profiles, seamless, of circular cross-section, not cold-reduced, of stainless steel, of an external diameter exceeding 168,3 mm but not exceeding 406,4 mm	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.49.89	Tubes, pipes and hollow profiles, seamless, of circular cross-section, not cold-reduced, of stainless steel, of an external diameter exceeding 406,4 mm	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.51.10	Tubes, pipes and hollow profiles, seamless, of circular cross-section, cold-reduced, of alloy steel, straight and of uniform wall thickness, of alloy steel containing by weight not less than 0,9 % but not more than 1,15 % of carbon, not less than 0,5 % but not more than 2 % of chromium and, if present, not more than 0,5 % of molybdenum	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.51.81	Tubes, pipes and hollow profiles, seamless, of circular cross-section, cold-reduced, of alloy steel, precision tubes	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.51.89	Tubes, pipes and hollow profiles, seamless, of circular cross-section, cold-reduced, of alloy steel, other	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.59.83	Tubes, pipes and hollow profiles, seamless, of circular cross-section, not cold-reduced, of alloy steel, Of an external diameter exceeding 168,3 mm but not exceeding 406,4 mm	21.VII.22
X. Materials Processing	X.A.X.004.a	Pressure tube, pipe, and fittings of 200 mm or more inside diameter, and suitable for operation at pressures of 3,4 MPa or greater;	7304.59.89	Tubes, pipes and hollow profiles, seamless, of circular cross-section, not cold-reduced, of alloy steel, Of an external diameter exceeding 406,4 mm	21.VII.22

X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.10.05	Pressure-reducing valves; Combined with filters or lubricators	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.10.19	Other pressure-reducing valves; of cast iron or steel	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.20.10	Valves for the control of oleohydraulic power transmission	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.20.90	Valves for the control of pneumatic power transmission	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.30.91	Check (non-return) valves Of cast iron or of steel	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.40.10	Safety or relief valves: Of cast iron or of steel	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.80.51	Process control valves; Temperature regulators	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.80.63	Gate valves of steel	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.80.73	Globe valves of steel	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.80.81	Ball and plug valves	21.VII.22

X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.80.85	Butterfly valves	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.80.87	Diaphragm valves	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8481.80.99	Other valves	21.VII.22
X. Materials Processing	X.A.X.004.b	Pipe valves having all of the following characteristics that are not controlled by ECCN 2B350.g b.1. A pipe size connection of 200 mm or more inside diameter; and b.2. Rated at 10,3 MPa or more.	8484.10.00	Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal	21.VII.22
X. Materials Processing	X.A.X.005	Pumps designed to move molten metals by electromagnetic forces	8413.70.29	Multi-stage centrifugal pump	21.VII.22
X. Materials Processing	X.A.X.006	Portable electric generators and specially designed components	8501.61.20	AC generators (alternators), Of an output not exceeding 7,5 kVA	21.VII.22
X. Materials Processing	X.A.X.006	Portable electric generators and specially designed components	8501.61.80	AC generators (alternators), Of an output exceeding 7,5 kVA but not exceeding 75 kVA	21.VII.22
X. Materials Processing	X.A.X.006	Portable electric generators and specially designed components	8501.62.00	AC generators (alternators), Of an output exceeding 75 kVA but not exceeding 375 kVA	21.VII.22
X. Materials Processing	X.A.X.006	Portable electric generators and specially designed components	8501.63.00	AC generators (alternators), Of an output exceeding 375 kVA but not exceeding 750 kVA	21.VII.22
X. Materials Processing	X.A.X.006	Portable electric generators and specially designed components	8501.64.00	AC generators (alternators), Of an output exceeding 750 kVA	21.VII.22

X. Materials Processing	X.A.X.006	Portable electric generators and specially designed components	8503.00.10	Parts, non-magnetic retaining rings	21.VII.22
X. Materials Processing	X.A.X.006	Portable electric generators and specially designed components	8503.00.91	Parts of cast iron or cast steel	21.VII.22
X. Materials Processing	X.A.X.006	Portable electric generators and specially designed components	8503.00.98	Other parts	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.10.05	Pressure-reducing valves; Combined with filters or lubricators	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.10.19	Other pressure-reducing valves; of cast iron or steel	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.20.10	Valves for the control of oleohydraulic power transmission	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.20.90	Valves for the control of pneumatic power transmission	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.30.91	Check (non-return) valves Of cast iron or of steel	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.40.10	Safety or relief valves: Of cast iron or of steel	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.80.51	Process control valves; Temperature regulators	21.VII.22

X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.80.63	Gate valves of steel	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.80.73	Globe valves of steel	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.80.81	Ball and plug valves	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.80.85	Butterfly valves	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.80.87	Diaphragm valves	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8481.80.99	Other valves	21.VII.22
X. Materials Processing	X.A.X.007	Specific processing equipment; Bellows sealed valves	8484.10.00	Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal	21.VII.22
X. Materials Processing	X.B.X.001	Continuous flow reactors' and their 'modular components'	8419.89.98	Other 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	04.VI.22
X. Materials Processing	X.B.X.002	Nucleic acid assemblers and synthesizers	8419.89.98	Other 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	04.VI.22
X. Materials Processing	X.B.X.003	Automated peptide synthesizers	8419.89.98	Other 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	04.VI.22

X. Materials Processing	X.B.X.004.a	Numerical control" units for machine tools	8537.10.91	Programmable memory controllers	21.VII.22
X. Materials Processing	X.B.X.004.b	Motion control boards" "specially designed" for machine tools and having any of the following characteristics: b.1. Interpolation in more than four axes; b.2. Capable of "real-time processing" of data to modify tool path, feed rate and spindle data, during the machining operation, by any of the following: b.2.a. Automatic calculation and modification of part program data for machining in two or more axes by means of measuring cycles and access to source data; or b.2.b. "Adaptive control" with more than one physical variable measured and processed by means of a	8537.10.91	Programmable memory controllers	21.VII.22
X. Materials Processing	X.B.X.004.c	"Numerically controlled" machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics: 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or	8457.10.10	Machining centres, horizontal	21.VII.22
X. Materials Processing	X.B.X.004.c	"Numerically controlled" machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics: 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or	8457.10.90	Machining centres, other.	21.VII.22
X. Materials Processing	X.B.X.004.c	"Numerically controlled" machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics: 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or	8457.20.00	Unit construction machines (single station)	21.VII.22
X. Materials Processing	X.B.X.004.c	"Numerically controlled" machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics: 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or	8457.30.10	Multi-station transfer machines, Numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004.c	"Numerically controlled" machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics: 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or	8458.11.20	Horizontal lathes, numerically controlled, turning centres	21.VII.22
X. Materials Processing	X.B.X.004.c	"Numerically controlled" machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics: 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or	8458.11.41	Horizontal lathes, numerically controlled, automatic lathes, single spindle	21.VII.22
X. Materials Processing	X.B.X.004.c	"Numerically controlled" machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics: 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or	8458.11.49	Horizontal lathes, numerically controlled, automatic lathes, multiple spindle	21.VII.22
X. Materials Processing	X.B.X.004.c	"Numerically controlled" machine tools that, according to the manufacturer's technical specifications, can be equipped with electronic devices for simultaneous contouring control in two or more axes and that have both of the following characteristics: 1. Two or more axes that can be coordinated simultaneously for contouring control; and 2. Positioning accuracies according to ISO 230/2 (2006), with all compensations available: a. Better than 15 µm along any linear axis (overall positioning) for grinding machines; b. Better than 15 µm along any linear axis (overall positioning) for milling machines; or	8458.11.80	Horizontal lathes, numerically controlled, other	21.VII.22

[illegible]

X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8458.91.80	Other lathes, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8459.10.00	Machine tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, Way-type unit head machines	21.VII.22
X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8459.31.00	Machine tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, Other boring-milling machines, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8459.51.00	Machine tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, Milling machines, knee-type, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8459.61.10	Machine tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, other milling machines, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8460.12.00	Flat-surface grinding machines, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8460.22.00	Other grinding machines, Centreless grinding machines, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8460.23.00	Other cylindrical grinding machines, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004.d.1	Machine tools for turning, grinding, milling or any combination thereof, having two or more axes that can be coordinated simultaneously for contouring control and having any of the following characteristics: a. One or more contouring "tilting spindles"; Note: X.B.X.004.d.1.a. applies to machine tools for grinding or milling only. b. "Camming" (axial displacement) in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR); <i>Note: X.B.X.004.d.1.b. applies to machine tools for turning only.</i>	8460.24.00	Other, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.004d.2	Electrical discharge machines (EDM) of the wire feed type that have five or more axes that can be coordinated simultaneously for "contouring control"	8456.30.11	Machine tool; Operated by electrodischarge processes; Numerically controlled; Wire-cut	21.VII.22

X. Materials Processing	X.B.X.005.a	Non "numerically controlled" Turning machines using a single point cutting tool and having all of the following characteristics: Turning machines using a single point cutting tool and having all of the following characteristics: 1. Slide positioning accuracy less (better) than 0,0005 mm per 300 mm of travel; 2. Bidirectional slide positioning repeatability less (better) than 0,00025 mm per 300 mm of travel; 3. Spindle "run-out" and "camming" less (better) than 0,0004 mm total indicator reading (TIR); <i>4. Angular deviation of the slide movement (yaw, pitch and roll) less (better) than 2 seconds of arc, TIR, over full travel.</i>	8457.10.10	Machining centres, horizontal	21.VII.22
X. Materials Processing	X.B.X.005.a	Non "numerically controlled" Turning machines using a single point cutting tool and having all of the following characteristics: Turning machines using a single point cutting tool and having all of the following characteristics: 1. Slide positioning accuracy less (better) than 0,0005 mm per 300 mm of travel; 2. Bidirectional slide positioning repeatability less (better) than 0,00025 mm per 300 mm of travel; 3. Spindle "run-out" and "camming" less (better) than 0,0004 mm total indicator reading (TIR); <i>4. Angular deviation of the slide movement (yaw, pitch and roll) less (better) than 2 seconds of arc, TIR, over full travel.</i>	8457.10.90	Machining centres, other.	21.VII.22
X. Materials Processing	X.B.X.005.a	Non "numerically controlled" Turning machines using a single point cutting tool and having all of the following characteristics: Turning machines using a single point cutting tool and having all of the following characteristics: 1. Slide positioning accuracy less (better) than 0,0005 mm per 300 mm of travel; 2. Bidirectional slide positioning repeatability less (better) than 0,00025 mm per 300 mm of travel; 3. Spindle "run-out" and "camming" less (better) than 0,0004 mm total indicator reading (TIR); <i>4. Angular deviation of the slide movement (yaw, pitch and roll) less (better) than 2 seconds of arc, TIR, over full travel.</i>	8458.11.20	Horizontal lathes, numerically controlled, turning centres	21.VII.22
X. Materials Processing	X.B.X.005.a	Non "numerically controlled" Turning machines using a single point cutting tool and having all of the following characteristics: Turning machines using a single point cutting tool and having all of the following characteristics: 1. Slide positioning accuracy less (better) than 0,0005 mm per 300 mm of travel; 2. Bidirectional slide positioning repeatability less (better) than 0,00025 mm per 300 mm of travel; 3. Spindle "run-out" and "camming" less (better) than 0,0004 mm total indicator reading (TIR); <i>4. Angular deviation of the slide movement (yaw, pitch and roll) less (better) than 2 seconds of arc, TIR, over full travel.</i>	8457.30.90	Multi-station transfer machines	21.VII.22
X. Materials Processing	X.B.X.005.a	Non "numerically controlled" Turning machines using a single point cutting tool and having all of the following characteristics: Turning machines using a single point cutting tool and having all of the following characteristics: 1. Slide positioning accuracy less (better) than 0,0005 mm per 300 mm of travel; 2. Bidirectional slide positioning repeatability less (better) than 0,00025 mm per 300 mm of travel; 3. Spindle "run-out" and "camming" less (better) than 0,0004 mm total indicator reading (TIR); <i>4. Angular deviation of the slide movement (yaw, pitch and roll) less (better) than 2 seconds of arc, TIR, over full travel.</i>	8458.19.00	Horizontal lathes	21.VII.22
X. Materials Processing	X.B.X.005.a	Non "numerically controlled" Turning machines using a single point cutting tool and having all of the following characteristics: Turning machines using a single point cutting tool and having all of the following characteristics: 1. Slide positioning accuracy less (better) than 0,0005 mm per 300 mm of travel; 2. Bidirectional slide positioning repeatability less (better) than 0,00025 mm per 300 mm of travel; 3. Spindle "run-out" and "camming" less (better) than 0,0004 mm total indicator reading (TIR); <i>4. Angular deviation of the slide movement (yaw, pitch and roll) less (better) than 2 seconds of arc, TIR, over full travel.</i>	8458.99.00	Other lathes	21.VII.22
X. Materials Processing	X.B.X.005.b	Non "numerically controlled" Fly cutting machines having all of the following characteristics: 1. Spindle "run-out" and "camming" less (better) than 0,0004 mm TIR; and 2. Angular deviation of slide movement (yaw, pitch and roll) less (better) than 2 seconds of arc, TIR, over full travel.	8459.69.10	Other milling machines (tool milling)	21.VII.22
X. Materials Processing	X.B.X.005.b	Non "numerically controlled" Fly cutting machines having all of the following characteristics: 1. Spindle "run-out" and "camming" less (better) than 0,0004 mm TIR; and 2. Angular deviation of slide movement (yaw, pitch and roll) less (better) than 2 seconds of arc, TIR, over full travel.	8459.69.90	Other milling machines	21.VII.22
X. Materials Processing	X.B.X.006	Gearmaking and/or finishing machinery not controlled by 28003 capable of producing gears to a quality level of better than AGMA 11.	8461.40.11	Gear-cutting, gear-grinding or gear-finishing machines, for cutting cylindrical gears, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.006	Gearmaking and/or finishing machinery not controlled by 28003 capable of producing gears to a quality level of better than AGMA 11.	8461.40.19	Gear-cutting machines, for cutting cylindrical gears	21.VII.22

X. Materials Processing	X.B.X.006	Gearmaking and/or finishing machinery not controlled by 2B003 capable of producing gears to a quality level of better than AGMA 11.	8461.40.31	Gear-cutting machines, for cutting other gears, numerically controlled	21.VII.22
X. Materials Processing	X.B.X.006	Gearmaking and/or finishing machinery not controlled by 2B003 capable of producing gears to a quality level of better than AGMA 11.	8461.40.39	Gear-cutting machines, for cutting other gears.	21.VII.22
X. Materials Processing	X.B.X.006	Gearmaking and/or finishing machinery not controlled by 2B003 capable of producing gears to a quality level of better than AGMA 11.	8461.40.71	Gear-cutting machines, for cutting other gears, 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, numerically controlled.	21.VII.22
X. Materials Processing	X.B.X.006	Gearmaking and/or finishing machinery not controlled by 2B003 capable of producing gears to a quality level of better than AGMA 11.	8461.40.79	Gear-cutting machines, for cutting other gears, 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.	21.VII.22
X. Materials Processing	X.B.X.006	Gearmaking and/or finishing machinery not controlled by 2B003 capable of producing gears to a quality level of better than AGMA 11.	8461.40.90	Other gear-finishing machines	21.VII.22
X. Materials Processing	X.B.X.007	Dimensional inspection or measuring systems or equipment not controlled by 2B006 or 2B206, as follows: Manual dimensional inspection machines, having both of the following characteristics: a.1. Two or more axes; and a.2. A measurement uncertainty equal to or less (better) than $(3 + L/300)$ micrometer in any axes (L measured length in mm).	9031.49.90	'Optical instruments, appliances and machines for measuring or checking, not elsewhere specified or included in chapter 90	21.VII.22
X. Materials Processing	X.B.X.007	Dimensional inspection or measuring systems or equipment not controlled by 2B006 or 2B206, as follows: Manual dimensional inspection machines, having both of the following characteristics: a.1. Two or more axes; and a.2. A measurement uncertainty equal to or less (better) than $(3 + L/300)$ micrometer in any axes (L measured length in mm).	9031.80.20	'Instruments, appliances and machines for measuring or checking geometrical quantities, n.e.s. in Chapter 90	21.VII.22
X. Materials Processing	X.B.X.008	"Robots" not controlled by 2B007 or 2B207 that are capable of employing feedback information in real-time processing from one or more sensors to generate or modify "programs" or to generate or modify numerical program data.	8428.70.00	Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics); Industrial robots	21.VII.22
X. Materials Processing	X.B.X.008	"Robots" not controlled by 2B007 or 2B207 that are capable of employing feedback information in real-time processing from one or more sensors to generate or modify "programs" or to generate or modify numerical program data.	8479.50.00	Machines and mechanical appliances having individual functions, not specified or included elsewhere in chapter 84; Industrial robots, not elsewhere specified or included	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.10.20	Tool holders and self-opening dieheads, Arbors, collets and sleeves.	21.VII.22

X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.10.31	Tool holders for lathes	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.10.38	Tool holders for other machine tools	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.10.80	Self-opening dieheads	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.20.20	Work holders, jigs and fixtures for specific applications; sets of standard jig and fixture components	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.20.91	Work holders for lathes	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.20.98	Work holders for other machine tools	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.30.00	Dividing heads and other special attachments for machines	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.93.40	For machines of headings 8456 to 8461, Parts and accessories of machines of subheadings 8456 11 10, 8456 12 10, 8456 20, 8456 30, 8457 10, 8458 91, 8459 21 00, 8459 61 or 8461 50 of a kind used solely or principally for the manufacture of printed circuits, printed circuit assemblies, parts of heading 8517, or parts of automatic data processing machines	21.VII.22
X. Materials Processing	X.B.X.009.a	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: a. Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run-out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0,0006 mm total indicator reading (TIR);	8466.93.60	For other machines of headings 8456 to 8461	21.VII.22
X. Materials Processing	X.B.X.009.b	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: Single point diamond cutting tool inserts, having all of the following characteristics: 1. Flawless and chip-free cutting edge when magnified 400 times in any direction; 2. Cutting radius from 0,1 to 5 mm inclusive; and 3. Cutting radius out-of-roundness less (better) than 0,002 mm TIR.	8207.19.10	Rock-drilling or earth-boring tools, with working part of diamond or agglomerated diamond	21.VII.22

X. Materials Processing	X.B.X.009.b	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: Single point diamond cutting tool inserts, having all of the following characteristics: 1. Flawless and chip-free cutting edge when magnified 400 times in any direction; 2. Cutting radius from 0,1 to 5 mm inclusive; and 3. Cutting radius out-of-roundness less (better) than 0,002 mm TIR.	8207.20.10	Dies for drawing or extruding metal, with working part of diamond or agglomerated diamond	21.VII.22
X. Materials Processing	X.B.X.009.b	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: Single point diamond cutting tool inserts, having all of the following characteristics: 1. Flawless and chip-free cutting edge when magnified 400 times in any direction; 2. Cutting radius from 0,1 to 5 mm inclusive; and 3. Cutting radius out-of-roundness less (better) than 0,002 mm TIR.	8207.50.10	Tools for drilling, other than for rock-drilling, with working part of diamond or agglomerated diamond	21.VII.22
X. Materials Processing	X.B.X.009.b	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: Single point diamond cutting tool inserts, having all of the following characteristics: 1. Flawless and chip-free cutting edge when magnified 400 times in any direction; 2. Cutting radius from 0,1 to 5 mm inclusive; and 3. Cutting radius out-of-roundness less (better) than 0,002 mm TIR.	8207.60.10	Tools for boring or broaching, with working part of diamond or agglomerated diamond	21.VII.22
X. Materials Processing	X.B.X.009.b	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: Single point diamond cutting tool inserts, having all of the following characteristics: 1. Flawless and chip-free cutting edge when magnified 400 times in any direction; 2. Cutting radius from 0,1 to 5 mm inclusive; and 3. Cutting radius out-of-roundness less (better) than 0,002 mm TIR.	8207.90.10	Interchangeable tools, with working part of diamond or agglomerated diamond	21.VII.22
X. Materials Processing	X.B.X.009.c	Assemblies, circuit boards or inserts specially designed for machine tools controlled by X.B.X.004, or for equipment controlled by X.B.X.006, X.B.X.007 or X.B.X.008: Spindle assemblies, consisting of spindles and bearings as a minimal assembly, with radial ("run out") or axial ("camming") axis motion in one revolution of the spindle less (better) than 0.0006 mm total indicator reading (TIR);	8466.93.60	Other parts for machines of heading 8456 to 8461	21.VII.22
X. Materials Processing	X.B.X.010.a	Isostatic presses, other than those specified in the CML or in Regulation (EU) 2021/821;	8479.83.00	Cold isostatic presses	21.VII.22
X. Materials Processing	X.B.X.010.a	Isostatic presses, other than those specified in the CML or in Regulation (EU) 2021/821;	8514.11.00	Hot isostatic presses	21.VII.22
X. Materials Processing	X.B.X.010.b	Bellows manufacturing equipment, including hydraulic forming equipment and bellows forming dies;	8463.20.00	Machine tools for working metal or cermet, without removing material; Thread-rolling machines	21.VII.22
X. Materials Processing	X.B.X.010.b	Bellows manufacturing equipment, including hydraulic forming equipment and bellows forming dies;	8463.10.90	Machine tools for working metal or cermet, without removing material; Drawbenches for bars, tubes or profiles	21.VII.22
X. Materials Processing	X.B.X.010.b	Bellows manufacturing equipment, including hydraulic forming equipment and bellows forming dies;	8463.90.00	Other machine tools for working metal or cermet, without removing material	21.VII.22

X. Materials Processing	X.B.X.010.c	Laser welding machines;	8515.80.10	Other welding machines and apparatus for treating metals	21.VII.22
X. Materials Processing	X.B.X.010.d	MIG welders;	8515.31.00	Welding machines and apparatus; for arc (including plasma arc) welding of metals;	21.VII.22
X. Materials Processing	X.B.X.010.d	MIG welders;	8515.39.13	Welding machines and apparatus; for arc (including plasma arc) welding of metals; For manual welding with coated electrodes, complete with welding or cutting devices, and consigned with Transformers	21.VII.22
X. Materials Processing	X.B.X.010.d	MIG welders;	8515.39.18	Welding machines and apparatus; for arc (including plasma arc) welding of metals; For manual welding with coated electrodes, complete with welding or cutting devices, and consigned with Generators or rotary converters or static converters, rectifiers or rectifying apparatus	21.VII.22
X. Materials Processing	X.B.X.010.d	MIG welders;	8515.39.90	Welding machines and apparatus; for arc (including plasma arc) welding of metals; Other	21.VII.22
X. Materials Processing	X.B.X.010.e	E-beam welders;	8515.80.10	Other welding machines and apparatus for treating metals	21.VII.22
X. Materials Processing	X.B.X.010.f	Monel equipment, including valves, piping, tanks and vessels	7507.12.00	Tubes and pipes of nickel alloys	21.VII.22
X. Materials Processing	X.B.X.010.f	Monel equipment, including valves, piping, tanks and vessels	7507.20.00	Tube or pipe fittings of nickel or nickel alloy	21.VII.22
X. Materials Processing	X.B.X.010.f	Monel equipment, including valves, piping, tanks and vessels	7508.90.00	Other articles of nickel or nickel alloy	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7307.21.00	Stainless steel flanges	21.VII.22

X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7307.22.10	Stainless steel sleeves (Threaded)	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7307.22.90	Stainless elbows and bends (Threaded)	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7307.23.10	Stainless steel elbows and bends (butt)	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7307.23.90	Stainless steel other welding fittings (butt)	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7307.29.10	Stainless steel other fittings (threaded)	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7307.29.80	Stainless steel other fittings	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7310.10.00	Tanks, casks, drums, cans, boxes and similar containers, for any material (other than compressed or liquefied gas), of iron or steel, of a capacity between 50 and 300 l	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7311.00.19	Containers for compressed or liquefied gas, of iron or steel; Seamless; For a pressure of 165 bar or more, of a capacity of more than 50 l	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7311.00.30	Containers for compressed or liquefied gas, of iron or steel; Seamless; For a pressure of less than 165 bar, of a capacity of more than 50 l	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7311.00.91	Containers for compressed or liquefied gas, of iron or steel; not seamless; For a pressure of less than 165 bar, of a capacity of less than 1000 l	21.VII.22

X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	7311.00.99	Containers for compressed or liquefied gas, of iron or steel; not seamless; For a pressure of less than 165 bar, of a capacity of more than 1000 l	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.10.05	Pressure-reducing valves; Combined with filters or lubricators	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.10.19	Other pressure-reducing valves; of cast iron or steel	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.20.10	Valves for the control of oleohydraulic power transmission	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.20.90	Valves for the control of pneumatic power transmission	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.30.91	Check (non-return) valves Of cast iron or of steel	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.40.10	Safety or relief valves: Of cast iron or of steel	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.80.51	Process control valves; Temperature regulators	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.80.63	Gate valves of steel	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.80.73	Globe valves of steel	21.VII.22

X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.80.81	Ball and plug valves	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.80.85	Butterfly valves	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.80.87	Diaphragm valves	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8481.80.99	Other valves	21.VII.22
X. Materials Processing	X.B.X.010.g	304 and 316 stainless steel valves, piping, tanks and vessels; Note: Fittings are considered part of piping for purposes of X.B.X.010.g.	8484.10.00	Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal	21.VII.22
X. Materials Processing	X.B.X.010.h	Mining and drilling equipment, as follows: 1. Large boring equipment capable of drilling holes greater than 61 cm in diameter; 2. Large earth-moving equipment used in the mining industry;	8430.10.00	Piledrivers and pile extractors	21.VII.22
X. Materials Processing	X.B.X.010.h	Mining and drilling equipment, as follows: 1. Large boring equipment capable of drilling holes greater than 61 cm in diameter; 2. Large earth-moving equipment used in the mining industry;	8430.31.00	Coal or rock cutters and tunnelling machinery; Self-propelled	21.VII.22
X. Materials Processing	X.B.X.010.h	Mining and drilling equipment, as follows: 1. Large boring equipment capable of drilling holes greater than 61 cm in diameter; 2. Large earth-moving equipment used in the mining industry;	8430.39.00	Coal or rock cutters and tunnelling machinery; not self-propelled	21.VII.22
X. Materials Processing	X.B.X.010.h	Mining and drilling equipment, as follows: 1. Large boring equipment capable of drilling holes greater than 61 cm in diameter; 2. Large earth-moving equipment used in the mining industry;	8430.41.00	Other boring or sinking machinery, self-propelled	21.VII.22
X. Materials Processing	X.B.X.010.h	Mining and drilling equipment, as follows: 1. Large boring equipment capable of drilling holes greater than 61 cm in diameter; 2. Large earth-moving equipment used in the mining industry;	8430.49.00	Other boring or sinking machinery, other	21.VII.22

X. Materials Processing	X.B.X.010.h	Mining and drilling equipment, as follows: 1. Large boring equipment capable of drilling holes greater than 61 cm in diameter; 2. Large earth-moving equipment used in the mining industry;	8429.11.00	Bulldozers and angledozers: Track laying	21.VII.22
X. Materials Processing	X.B.X.010.h	Mining and drilling equipment, as follows: 1. Large boring equipment capable of drilling holes greater than 61 cm in diameter; 2. Large earth-moving equipment used in the mining industry;	8429.19.00	Bulldozers and angledozers: Other	21.VII.22
X. Materials Processing	X.B.X.010.i	Electroplating equipment designed for coating parts with nickel or aluminum;	8543.30.70	Machines and apparatus for electroplating, electrolysis or electrophoresis	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.60.20	Rotary positive displacement pumps: hydraulic units	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.60.31	Rotary positive displacement pumps: Hydraulic fluid power	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.60.39	Rotary positive displacement pumps: gear pumps	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.60.61	Rotary positive displacement pumps: vane pumps, hydraulic fluid power	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.60.69	Rotary positive displacement pumps: vane pumps, other	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.60.70	Rotary positive displacement pumps: screw pumps	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.60.80	Other "Rotary positive displacement pumps	21.VII.22

X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.29	Submersible multi-stage centrifugal pump	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.30	Glandless impeller pumps for heating systems and warm water supply	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.45	Centrifugal pump with a discharge diameter exceeding 15 mm, Channel impeller pumps and side channel pumps	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.51	Centrifugal pump with a discharge diameter exceeding 15 mm, Channel impeller pumps and side channel pumps, single impellers, monobloc	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.59	Centrifugal pump with a discharge diameter exceeding 15 mm, Channel impeller pumps and side channel pumps, single impeller	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.65	Centrifugal pump with a discharge diameter exceeding 15 mm, Channel impeller pumps and side channel pumps, multiple impeller	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.75	Centrifugal pump with a discharge diameter exceeding 15 mm, Channel impeller pumps and side channel pumps, multi-stage	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.81	Centrifugal pump with a discharge diameter exceeding 15 mm, other single-stage	21.VII.22
X. Materials Processing	X.B.X.010.j	Pumps designed for industrial service and for use with an electrical motor of 5 HP or greater;	8413.70.89	Centrifugal pump with a discharge diameter exceeding 15 mm, other multi-stage	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	7307.21.00	Stainless steel flanges	21.VII.22

X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	7307.22.10	Stainless steel sleeves (Threaded)	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	7307.22.90	Stainless elbows and bends (Threaded)	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	7307.23.10	Stainless steel elbows and bends (butt)	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	7307.23.90	Stainless steel other welding fittings (butt)	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	7307.29.10	Stainless steel other fittings (threaded)	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	7307.29.80	Stainless steel other fittings	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.10.05	Pressure-reducing valves; Combined with filters or lubricators	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.10.19	Other pressure-reducing valves; of cast iron or steel	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.20.10	Valves for the control of oleohydraulic power transmission	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.20.90	Valves for the control of pneumatic power transmission	21.VII.22

X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.30.91	Check (non-return) valves Of cast iron or of steel	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.40.10	Safety or relief valves: Of cast iron or of steel	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.80.51	Process control valves; Temperature regulators	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.80.63	Gate valves of steel	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.80.73	Globe valves of steel	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.80.81	Ball and plug valves	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.80.85	Butterfly valves	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.80.87	Diaphragm valves	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8481.80.99	Other valves	21.VII.22
X. Materials Processing	X.B.X.010.k	Vacuum valves, piping, flanges, gaskets and related equipment specially designed for use in high-vacuum service, other than those specified in the CML or in Regulation (EU) 2021/821;	8484.10.00	Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal	21.VII.22

X. Materials Processing	X.B.X.010.l	Spin forming and flow forming machines, other than those specified in the CML or in Regulation (EU) 2021/821;	8463.90.00	Other machine tools for working metal or cermets, without removing material:	21.VII.22
X. Materials Processing	X.B.X.010.m	Centrifugal multiplane balancing machines , other than those specified in the CML or in Regulation (EU) 2021/821	9031.10.00	Machines for balancing mechanical parts	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.11.00	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.12.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.12.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.13.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.13.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.14.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.14.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.21.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22

X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.21.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.22.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.22.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.23.00	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.24.00	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than hot-rolled, not in coils:	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.31.00	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.32.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.32.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.33.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.33.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22

X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.34.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.34.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.35.10	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.35.90	Flat-rolled products of stainless steel, of a width of 600 mm or more, Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.90.20	Flat-rolled products of stainless steel, of a width of 600 mm or more, other	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7219.90.80	Flat-rolled products of stainless steel, of a width of 600 mm or more, other	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.11.00	Flat-rolled products of stainless steel, of a width of less than 600 mm: Of a thickness of 4,75 mm or more	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.12.00	Flat-rolled products of stainless steel, of a width of less than 600 mm: Of a thickness of less than 4,75 mm	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.20.21	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.20.29	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22

X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.20.41	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.20.49	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.20.81	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.20.89	Flat-rolled products of stainless steel, of a width of less than 600 mm: Not further worked than cold-rolled (cold-reduced):	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.90.20	Flat-rolled products of stainless steel, of a width of less than 600 mm: other	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7220.90.80	Flat-rolled products of stainless steel, of a width of less than 600 mm: other	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7304.11.00	Line pipe of a kind used for oil or gas pipelines pf stainless steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7304.22.00	Casing, tubing and drill pipe, of a kind used in drilling for oil or gas; Drill pipe of stainless steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7304.24.00	Casing, tubing and drill pipe, of a kind used in drilling for oil or gas; other of stainless steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7304.41.00	Casing, tubing and drill pipe, of a kind used in drilling for oil or gas, other of of circular cross-section, of stainless steel, Cold-drawn or cold-rolled (cold-reduced)	21.VII.22

X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7304.49.83	Casing, tubing and drill pipe, of a kind used in drilling for oil or gas, other of of circular cross-section, of stainless steel, other Of an external diameter not exceeding 168,3 mm	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7304.49.85	Casing, tubing and drill pipe, of a kind used in drilling for oil or gas, other of of circular cross-section, of stainless steel, other Of an external diameter exceeding 168,3 mm but not exceeding 406,4 mm	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7304.49.89	Casing, tubing and drill pipe, of a kind used in drilling for oil or gas, other of of circular cross-section, of stainless steel, other Of an external diameter exceeding 406,4 mm	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7305.11.00	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: Longitudinally submerged arc welded	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7305.12.00	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: Other, longitudinally welded	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7305.19.00	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: Other	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7306.11.00	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: Line pipe of a kind used for oil or gas pipelines: Welded, of stainless steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7306.40.20	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: Other, welded, of circular cross-section, of stainless steel: Cold-drawn or cold-rolled (cold-reduced)	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7306.40.80	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: Other, welded, of circular cross-section, of stainless steel: other	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7306.61.10	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: Other, welded, of non-circular cross-section, Of square or rectangular cross-section: Of stainless steel	21.VII.22

X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7306.69.10	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: Other, welded, of non-circular cross-section, Of other non-circular cross-section, Of stainless steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7309.00.10	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: For gases (other than compressed or liquefied gas)	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7309.00.30	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: Lined or heat-insulated	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7309.00.51	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: Exceeding 100 000 l	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7309.00.59	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: Not exceeding 100 000 l	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7309.00.90	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: For solids	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7310.10.00	Tanks, casks, drums, cans, boxes and similar containers, for any material (other than compressed or liquefied gas), of iron or steel, of a capacity not exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: Of a capacity of 50 l or more	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7311.00.11	Containers for compressed or liquefied gas, of iron or steel: seamless, For a pressure of 165 bar or more, of a capacity of: Less than 20 l	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7311.00.13	Containers for compressed or liquefied gas, of iron or steel: seamless, For a pressure of 165 bar or more, of a capacity of: 20 l or more but not more than 50 l	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7311.00.19	Containers for compressed or liquefied gas, of iron or steel: seamless, For a pressure of 165 bar or more, of a capacity of: More than 50 l	21.VII.22

X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7311.00.30	Containers for compressed or liquefied gas, of iron or steel: seamless, For a pressure of 165 bar or more, of other capacity	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7311.00.91	Containers for compressed or liquefied gas, of iron or steel: seamless, For other pressure, Less than 1 000 l.	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	7311.00.99	Containers for compressed or liquefied gas, of iron or steel: seamless, For other pressure, 1 000 l or more	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.10.05	Pressure-reducing valves, Combined with filters or lubricators	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.10.19	Pressure-reducing valves, other, Of cast iron or of steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.20.10	Valves for oleohydraulic or pneumatic transmissions, Valves for the control of oleohydraulic power transmission	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.20.90	Valves for oleohydraulic or pneumatic transmissions, Valves for the control of pneumatic power transmission	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.30.91	Check (non-return) valves, of cast iron or of steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.40.10	Safety or relief valves: Of cast iron or of steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.11	Mixing valves	21.VII.22

X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.51	Process control valves: temperature regulators	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.59	Other process control valves	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.63	Gate valves of steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.73	Globe valves of steel	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.81	Ball and plug valves	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.85	Butterfly valves	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.87	Diaphragm valves	21.VII.22
X. Materials Processing	X.B.X.010.n	Austenitic stainless steel plate, valves, piping, tanks and vessels	8481.80.99	Other valves	21.VII.22
X. Materials Processing	X.B.X.011	Floor-mounted fume hoods (walk-in style) with a minimum nominal width of 2,5 metres.	8414.80.80	Other turbocompressors	16.XII.22
X. Materials Processing	X.B.X.012	Class II biosafety cabinets and glove boxes.	8414.70.00	Gas-tight biological safety cabinets	16.XII.22

X. Materials Processing	X.B.X.013	Batch centrifuges with a rotor capacity of 4 litres or greater, usable with biological materials.	8421.19.20	Centrifuges of a kind used in laboratories	16.XII.22
X. Materials Processing	X.B.X.014	Fermenters with an internal volume of 10–20 litres, usable with biological materials	8419.89.98	Other machinery, plant or laboratory equipment, whether or not electrically heated	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7309.00.10	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: For gases (other than compressed or liquefied gas)	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7309.00.30	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: Lined or heat-insulated	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7309.00.51	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: Exceeding 100 000 L	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7309.00.59	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: Not exceeding 100 000 L	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7309.00.90	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: For solids	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7310.10.00	Tanks, casks, drums, cans, boxes and similar containers, for any material (other than compressed or liquefied gas), of iron or steel, of a capacity not exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: Of a capacity of 50 l or more	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7311.00.11	Containers for compressed or liquefied gas, of iron or steel: seamless, For a pressure of 165 bar or more, of a capacity of: Less than 20 l	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7311.00.13	Containers for compressed or liquefied gas, of iron or steel: seamless, For a pressure of 165 bar or more, of a capacity of: 20 l or more but not more than 50 l	16.XII.22

X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7311.00.19	Containers for compressed or liquefied gas, of iron or steel: seamless, For a pressure of 165 bar or more, of a capacity of: More than 50 l	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7311.00.30	Containers for compressed or liquefied gas, of iron or steel: seamless, For a pressure of 165 bar or more, of other capacity	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7311.00.91	Containers for compressed or liquefied gas, of iron or steel: seamless, For other pressure, Less than 1 000 l.	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	7311.00.99	Containers for compressed or liquefied gas, of iron or steel: seamless, For other pressure, 1 000 l or more	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.11.00	Pumps for dispensing fuel or lubricants, of the type used in filling stations or in garages	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.19.00	Other pumps fitted or designed to be fitted with a measuring device	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.50.20	Reciprocating positive displacement pumps; hydraulic units	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.50.40	Reciprocating positive displacement pumps; Dosing and proportioning pumps	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.50.61	Reciprocating positive displacement pumps; piston pumps (hydraulic fluid power)	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.50.69	Reciprocating positive displacement pumps; piston pumps	16.XII.22

X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.50.80	Other reciprocating positive displacement pumps	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.60.20	Rotary positive displacement pumps; hydraulic units	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.60.31	Rotary positive displacement pumps; gear pumps (hydraulic fluid power)	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.60.39	Rotary positive displacement pumps; gear pumps	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.60.61	Rotary positive displacement pumps; vane pumps (hydraulic fluid power)	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.60.69	Rotary positive displacement pumps; vane pumps	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.60.70	Rotary positive displacement pumps; screw pumps	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.60.80	Rotary positive displacement pumps; other	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.70.35	Other centrifugal pumps with a discharge outlet diameter not exceeding 15 mm	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.70.45	Other centrifugal pumps with a discharge outlet diameter exceeding 15 mm; Channel impeller pumps and side channel pumps	16.XII.22

X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.70.51	Other centrifugal pumps with a discharge outlet diameter exceeding 15 mm; single-stage; with single entry impeller; monobloc	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.70.59	Other centrifugal pumps with a discharge outlet diameter exceeding 15 mm; single-stage; with single entry impeller; other	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.70.65	Other centrifugal pumps with a discharge outlet diameter exceeding 15 mm; single-stage; with more than one entry impeller;	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.70.75	Other centrifugal pumps with a discharge outlet diameter exceeding 15 mm; multi-stage; with more than one entry impeller;	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.70.81	Other centrifugal pumps with a discharge outlet diameter exceeding 15 mm; multi-stage;	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8413.70.89	Other centrifugal pumps	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8419.50.20	Heat exchange units made of fluoropolymers and with inlet and outlet tube bores with inside diameters measuring 3 cm or less	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8419.50.80	Other heat-exchange units	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8419.89.10	Cooling towers and similar plant for direct cooling (without a separating wall) by means of recirculated water	16.XII.22

X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8419.89.98	Other machinery, plant or laboratory equipment, whether or not electrically heated	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8419.90.85	Parts of machinery, plant or laboratory equipment, whether or not electrically heated	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.10.05	Pressure-reducing valves, Combined with filters or lubricators	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.10.19	Pressure-reducing valves, other, Of cast iron or of steel	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.20.10	Valves for oleohydraulic or pneumatic transmissions, Valves for the control of oleohydraulic power transmission	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.20.90	Valves for oleohydraulic or pneumatic transmissions, Valves for the control of pneumatic power transmission	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.30.91	Check (non-return) valves, of cast iron or of steel	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.40.10	Safety or relief valves: Of cast iron or of steel	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.11	Mixing valves	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 2B3501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.51	Process control valves: temperature regulators	16.XII.22

X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.59	Other process control valves	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.63	Gate valves of steel	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.73	Globe valves of steel	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.81	Ball and plug valves	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.85	Butterfly valves	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.87	Diaphragm valves	16.XII.22
X. Materials Processing	X.B.X.015	Reaction vessels, reactors, agitators, heat exchangers, condensers, pumps (including single seal pumps), valves, storage tanks, containers, receivers, and distillation or absorption columns that meet performance parameters of the control 283501, regardless of their materials of construction. Note: For the purpose of the control X.B.X.015, plumbing valves and storage tanks with total internal (geometric) volume less than 1 m ³ (1000 litres) designed for domestic water or gas systems are excluded.	8481.80.99	Other valves	16.XII.22

X. Materials Processing	X.B.X.016	Conventional or turbulent air-flow clean-air rooms and self-contained fan-HEPA filter units that may be used for P3 or P4 (BSL 3, BSL 4, L3, L4) containment facilities.	8421.39.25	Machinery and apparatus for filtering or purifying air	16.XII.22
X. Materials Processing	X.B.X.016	Conventional or turbulent air-flow clean-air rooms and self-contained fan-HEPA filter units that may be used for P3 or P4 (BSL 3, BSL 4, L3, L4) containment facilities.	8421.39.35	Machinery and apparatus for filtering or purifying other gases by a catalytic process	16.XII.22
X. Materials Processing	X.B.X.016	Conventional or turbulent air-flow clean-air rooms and self-contained fan-HEPA filter units that may be used for P3 or P4 (BSL 3, BSL 4, L3, L4) containment facilities.	8421.39.85	Machinery and apparatus for filtering or purifying other gases; other	16.XII.22
X. Materials Processing	X.B.X.017	Vacuum pumps with a manufacturer's specified maximum flow-rate greater than 1 m ³ /h (under standard temperature and pressure conditions), casings (pump bodies), pumps, in which all surfaces that come into direct contact with the chemicals being processed are made from controlled materials.	8414.10.25	Rotary piston pumps, sliding vane rotary pumps, molecular drag pumps and Roots pumps	16.XII.22
X. Materials Processing	X.B.X.017	Vacuum pumps with a manufacturer's specified maximum flow-rate greater than 1 m ³ /h (under standard temperature and pressure conditions), casings (pump bodies), pumps, in which all surfaces that come into direct contact with the chemicals being processed are made from controlled materials.	8414.10.81	Diffusion pumps, cryopumps and adsorption pumps	16.XII.22
X. Materials Processing	X.B.X.017	Vacuum pumps with a manufacturer's specified maximum flow-rate greater than 1 m ³ /h (under standard temperature and pressure conditions), casings (pump bodies), pumps, in which all surfaces that come into direct contact with the chemicals being processed are made from controlled materials.	8414.10.89	Other vacuum pumps	16.XII.22
X. Materials Processing	X.B.X.018	Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	9027.10.10	Gas or smoke analysis apparatus; electronic	16.XII.22
X. Materials Processing	X.B.X.018	Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	9027.10.90	Gas or smoke analysis apparatus; other	16.XII.22
X. Materials Processing	X.B.X.018	Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	9027.20.00	Chromatographs and electrophoresis instruments	16.XII.22
X. Materials Processing	X.B.X.018	Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	9027.30.00	Spectrometers, spectrophotometers and spectrographs using optical radiation (UV, visible, IR)	16.XII.22

X. Materials Processing	X.B.X.018	Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	9027.50.00	Other instruments and apparatus using optical radiation (UV, visible, IR)	16.XII.22
X. Materials Processing	X.B.X.018	Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	9027.81.00	Mass spectrometers	16.XII.22
X. Materials Processing	X.B.X.018	Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	9027.89.90	Other instruments and apparatus for physical or chemical analysis	16.XII.22
X. Materials Processing	X.B.X.018	Laboratory equipment, including parts and accessories for such equipment, for the analysis or detection, destructive or non-destructive, of chemical substances.	9027.90.00	Microtomes; parts and accessories	16.XII.22
X. Materials Processing	X.B.X.019	Whole chlor-alkali electrolysis cells – mercury, diaphragm and membrane.	8543.30.70	Other machines and apparatus for electroplating, electrolysis or electrophoresis:	16.XII.22
X. Materials Processing	X.B.X.020	Titanium electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	8108.90.30	Bars, rods, profiles and wire of titanium	16.XII.22
X. Materials Processing	X.B.X.020	Titanium electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	8108.90.90	Other articles of titanium	16.XII.22
X. Materials Processing	X.B.X.021	Nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	7505.11.00	Bars, rods and profiles of nickel, not alloyed	16.XII.22
X. Materials Processing	X.B.X.021	Nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	7505.12.00	Bars, rods and profiles of nickel alloys	16.XII.22
X. Materials Processing	X.B.X.021	Nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	7505.21.00	Wire of nickel, not alloyed	16.XII.22

X. Materials Processing	X.B.X.021	Nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	7505.22.00	Wire of nickel alloys	16.XII.22
X. Materials Processing	X.B.X.021	Nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	7508.90.00	Other articles of nickel or nickel alloy	16.XII.22
X. Materials Processing	X.B.X.022	Bipolar titanium nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	7505.12.00	Bars, rods and profiles of nickel alloys	16.XII.22
X. Materials Processing	X.B.X.022	Bipolar titanium nickel electrodes (including those with coatings produced from other metal oxides), specially designed for use in chlor-alkali cells.	7508.90.00	Other articles of nickel or nickel alloy	16.XII.22
X. Materials Processing	X.B.X.023	Asbestos diaphragms specially designed for use in chlor-alkali cells.	8543.90	Parts of electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter	16.XII.22
X. Materials Processing	X.B.X.024	Fluoropolymer based diaphragms specially designed for use in chlor-alkali cells.	8543.90	Parts of electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter	16.XII.22
X. Materials Processing	X.B.X.025	Fluoropolymer based ion exchange membranes specially designed for use in chloralkali cells.	8543.90	Parts of electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter	16.XII.22
X. Materials Processing	X.B.X.026	Compressors specially designed to compress wet or dry chlorine, regardless of material of construction.	8413.60.80	Other rotary positive displacement pumps	16.XII.22
X. Materials Processing	X.B.X.026	Compressors specially designed to compress wet or dry chlorine, regardless of material of construction.	8414.10.25	Rotary piston pumps, sliding vane rotary pumps, molecular drag pumps and Roots pumps	16.XII.22
X. Materials Processing	X.B.X.026	Compressors specially designed to compress wet or dry chlorine, regardless of material of construction.	8414.10.89	Other vacuum pumps	16.XII.22

X. Materials Processing	X.B.X.026	Compressors specially designed to compress wet or dry chlorine, regardless of material of construction.	8414.80.73	Rotary displacement compressors, single-shaft	16.XII.22
X. Materials Processing	X.B.X.026	Compressors specially designed to compress wet or dry chlorine, regardless of material of construction.	8414.80.75	Rotary displacement compressors, multi-shaft, screw compressors	16.XII.22
X. Materials Processing	X.B.X.026	Compressors specially designed to compress wet or dry chlorine, regardless of material of construction.	8414.80.78	Other air or vacuum pumps, air or other gas compressors and fans	16.XII.22
X. Materials Processing	X.B.X.027	Microwave reactors – 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.	8419.89.98	Other machinery, plant or laboratory equipment, whether or not electrically heated	16.XII.22
X. Materials Processing	X.D.X.001	“Software” specially designed or modified for the “development”, “production” or “use” of equipment controlled by X.A.X.001.	N/A	Software	21.VII.22
X. Materials Processing	X.D.X.002	“Software” “required” for the “development”, “production” or “use” of concealed object detection equipment controlled by X.A.X.002.	N/A	Software	21.VII.22
X. Materials Processing	X.D.X.003	“Software” specially designed for the “development”, “production”, or “use” of equipment controlled by X.B.X.004, X.B.X.006, or X.B.X.007, X.B.X.008, and X.B.X.009.	N/A	Software	21.VII.22
X. Materials Processing	X.D.X.004	Specific “software”, as follows (see List of Items Controlled): a. “Software” to provide adaptive control and having both of the following characteristics: 1. For flexible manufacturing units (FMUs); and 2. Capable of generating or modifying, in real-time processing, programs or data by using the signals obtained simultaneously by means of at least two detection techniques, such as: a. Machine vision (optical ranging); b. Infrared imaging;	N/A	Software	21.VII.22
X. Materials Processing	X.D.X.005	“Software” specially designed or modified for the “development,” “production,” or “use” of items controlled by X.A.X.004 or X.A.X.005.	N/A	Software	21.VII.22
X. Materials Processing	X.D.X.006	“Software” specially designed for the “development” or “production” of portable electric generators controlled by X.A.X.006.	N/A	Software	21.VII.22

X. Materials Processing	X.D.X.007	"Software" for the "development", "production", or "use" of CNC equipment, classified in any of the headings from 8456 to 8465 of the Common Customs Tariff, not covered in X.D.X.00	N/A	Software	24.II.25
X. Materials Processing	X.E.X.001	"Technology" "required" for the "development, "production" or "use" of equipment controlled by X.A.X.002 or required for the "development" of "software" controlled by X.D.X.002.	N/A	Technology	21.VII.22
X. Materials Processing	X.E.X.002	"Technology" for the "use" of equipment controlled by X.B.X.004, X.B.X.006, X.B.X.007, or X.B.X.008.	N/A	Technology	21.VII.22
X. Materials Processing	X.E.X.003	"Technology" according to the General Technology Note for the "use" of equipment controlled by X.A.X.004 or X.A.X.005.	N/A	Technology	21.VII.22
X. Materials Processing	X.E.X.004	"Technology" for the "use" of portable electric generators controlled by X.A.X.006.	N/A	Technology	21.VII.22

Part B					
1. Semiconductor devices	8541.10		8541.10	Diodes, other than photosensitive or light-emitting diodes (LED)	06.X.22
1. Semiconductor devices	8541.21		8541.21	Transistors, other than photosensitive transistors with a dissipation rate of less than 1 W	06.X.22
1. Semiconductor devices	8541.29		8541.29	Other transistors, other than photosensitive transistors	06.X.22

TIER 3A

TIER 3A

TIER 3A

1. Semiconductor devices	8541.30		8541.30	Thyristors, diacs and triacs (excl. photosensitive semiconductor devices)	23.VI.23
1. Semiconductor devices	8541.49		8541.49	Photosensitive semiconductor devices (excl. Photovoltaic generators and cells)	06.X.22
1. Semiconductor devices	8541.51		8541.51	Other semiconductor devices: Semiconductor-based transducers	06.X.22
1. Semiconductor devices	8541.59		8541.59	Other semiconductor devices	06.X.22
1. Semiconductor devices	8541.60		8541.60	Mounted piezo-electric crystals	16.XII.22
1. Semiconductor devices	8541.90		8541.90	Semiconductor devices: Parts	06.X.22
2. Electronic integrated circuits, manufacturing and testing equipment	3818.00		3818.00	Chemical elements doped for use in electronics, in the form of discs, wafers or similar forms; chemical compounds doped for use in electronics	23.VI.23
2. Electronic integrated circuits, manufacturing and testing equipment	8486.10		8486.10	Machines and apparatus for the manufacture of boules or wafers	23.VI.23
2. Electronic integrated circuits, manufacturing and testing equipment	8486.20		8486.20	Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	23.VI.23
2. Electronic integrated circuits, manufacturing and testing equipment	8486.40		8486.40	Machines and apparatus specified in note 11(C) to this chapter	23.VI.23

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2. Electronic integrated circuits, manufacturing and testing equipment	8534.00		8534.00	Printed circuits	23.VI.23
2. Electronic integrated circuits, manufacturing and testing equipment	8537.10		8537.10	Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 8535 or 8536, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of Chapter 90, and numerical control apparatus, other than switching apparatus of heading 8517, for a voltage not exceeding 1 000 V	25.II.23
2. Electronic integrated circuits, manufacturing and testing equipment	8542.31		8542.31	Processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	06.X.22
2. Electronic integrated circuits, manufacturing and testing equipment	8542.32		8542.32	Memories	06.X.22
2. Electronic integrated circuits, manufacturing and testing equipment	8542.33		8542.33	Amplifiers	06.X.22
2. Electronic integrated circuits, manufacturing and testing equipment	8542.39		8542.39	Other Electronic Integrated Circuits	06.X.22
2. Electronic integrated circuits, manufacturing and testing equipment	8542.90		8542.90	Electronic integrated circuits: Parts	06.X.22
2. Electronic integrated circuits, manufacturing and testing equipment	8543.20		8543.20	Signal generators	23.VI.23
2. Electronic integrated circuits, manufacturing and testing equipment	9027.50		9027.50	Other instruments and apparatus using optical radiation (UV, visible, IR)	23.VI.23
2. Electronic integrated circuits, manufacturing and testing equipment	9030.20		9030.20	Oscilloscopes and oscillographs	23.VI.23

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2. Electronic integrated circuits, manufacturing and testing equipment	9030.32		9030.32	Multimeters with recording device	23.VI.23
2. Electronic integrated circuits, manufacturing and testing equipment	9030.39		9030.39	Instruments and apparatus for measuring or checking voltage, current, resistance or electrical power, with recording device	23.VI.23
2. Electronic integrated circuits, manufacturing and testing equipment	9030.82		9030.82	Instruments and apparatus for measuring or checking semiconductor wafers or devices	23.VI.23
3. Photographic cameras, sensors and optical components	8525.89		8525.89	Other television cameras, digital cameras and video camera recorders	25.II.23
3. Photographic cameras, sensors and optical components	8529.90		8529.90	Other parts suitable for use solely or principally with the apparatus of headings 8524 to 8528	23.VI.23
3. Photographic cameras, sensors and optical components	9006.30		9006.30	Cameras specially designed for underwater use, for aerial survey or for medical or surgical examination of internal organs; comparison cameras for forensic or criminological purposes	06.X.22
3. Photographic cameras, sensors and optical components	9006.91		9006.91	Parts and accessories for cameras	24.VI.24
3. Photographic cameras, sensors and optical components	9013.10		9013.10	Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of this chapter or Section XVI	23.VI.23
3. Photographic cameras, sensors and optical components	9013.80		9013.80	Other optical devices, appliances and instruments	25.II.23
3. Photographic cameras, sensors and optical components	9015.10.00		9015.10.00	Rangefinders	23.X.25

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3. Photographic cameras, sensors and o	9025.19		9025.19	Other thermometers and pyrometers, not combined with other instruments	25.II.23
3. Photographic cameras, sensors and o	9032.10		9032.10	Thermostats	19.XII.23
4. Other electrical/magnetic componen	8501.32		8501.32	DC motors and DC generators of an output exceeding 750 W but not exceeding 75 kW (excluding photovoltaic generators)	19.XII.23
4. Other electrical/magnetic componen	8504.31		8504.31	Transformers having a power handling capacity not exceeding 1 kVA (excluding liquid dielectric transformers)	19.XII.23
4. Other electrical/magnetic componen	8504.40		8504.40	Static converters	19.XII.23
4. Other electrical/magnetic componen	8505.11		8505.11	Permanent magnets and articles intended to become permanent magnets after magnetisation; of metal	16.XII.22
4. Other electrical/magnetic componen	8529.10		8529.10	Aerials and aerial reflectors of all kinds; parts suitable for use therewith	25.II.23
4. Other electrical/magnetic componen	8532.21		8532.21	Other fixed capacitors of tantalum	25.II.23
4. Other electrical/magnetic componen	8532.22		8533.22	Aluminium electrolytic fixed electrical capacitors (excluding power capacitors)	23.II.24
4. Other electrical/magnetic componen	8532.24		8532.24	Ceramic dielectric multilayer capacitors	16.XII.22

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4. Other electrical/magnetic component	8533.21		8533.21	Fixed electrical resistors for a power handling capacity not exceeding 20 W (excluding heating resistors)	19.XII.23
4. Other electrical/magnetic component	8533.40		8533.40	Electrical variable resistors, including rheostats and potentiometers (excluding wirewound variable resistors and heating resistors)	19.XII.23
4. Other electrical/magnetic component	8536.41		8536.41	Relays, for a voltage not exceeding 60 V	23.VI.23
4. Other electrical/magnetic component	8536.49		8536.49	Relays for a voltage exceeding 60 V but not exceeding 1.000 V	19.XII.23
4. Other electrical/magnetic component	8536.50		8536.50	Other switches	16.XII.22
4. Other electrical/magnetic component	8536.69		8536.69	Plugs and sockets	16.XII.22
4. Other electrical/magnetic component	8536.90		8536.90	Other apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp holders and other connectors, junction boxes), for a voltage not exceeding 1 000 V; connectors for optical fibres, optical fibre bundles or cables	16.XII.22
4. Other electrical/magnetic component	8543 70 02		8543 70 02	Microwave amplifiers	24.VI.24
4. Other electrical/magnetic component	8543 70 04		8543 70 04	Digital flight-data recorders	24.VI.24
4. Other electrical/magnetic component	8543 70 30		8543 70 30	Aerial amplifiers	24.VI.24

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4. Other electrical/magnetic components	8548.00		8548.00	Electrical parts of machinery or apparatus, not specified or included elsewhere in Chapter 85	16.XII.22
5. Machines tools, additive manufacturing	8205.59.80		8205.59.80	Hand tools, including glaziers' diamonds, of base metal	19.XII.23
5. Machines tools, additive manufacturing	8456.11		8456.11	Machine tools for working any material by removal of material, operated by laser (excluding soldering and welding machines, also those which can be used for cutting, material testing machines and machines for the manufacture of semiconductor devices or of electronic integrated circuits)	19.XII.23
5. Machines tools, additive manufacturing	8456.30		8456.30	Operated by electrodischarge processes	18.VII.25
5. Machines tools, additive manufacturing	8456.50		8456.50	Water-jet cutting machines	18.VII.25
5. Machines tools, additive manufacturing	8457.10		8457.10	Machining centres for working metal	19.XII.23
5. Machines tools, additive manufacturing	8458.11		8458.11	Horizontal lathes, including turning centres, for removing metal, numerically controlled	19.XII.23
5. Machines tools, additive manufacturing	8458.91		8458.91	Lathes (including turning centres) for removing metal, numerically controlled (excluding horizontal lathes)	24.VI.24
5. Machines tools, additive manufacturing	8459.61		8459.61	Milling machines for metals, numerically controlled (excluding lathes and turning centres of heading 8458, way-type unit head machines, drilling machines, boring-milling machines, boring machines, and knee-type milling machines)	24.VI.24
5. Machines tools, additive manufacturing	8466.10		8466.10	Tool holders, including tool holders for any type of tool for working in the hand, and self-opening dieheads, for machine tools	19.XII.23

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5. Machines tools, additive manufacturing	8466 93		8466 93	Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8461, n.e.s.	24.VI.24
5. Machines tools, additive manufacturing	8485.20		8485.20		16.XII.22
				Machines for additive manufacturing by plastics or rubber deposit	
5. Machines tools, additive manufacturing	8485.30		8485.30		16.XII.22
				Machines for additive manufacturing by plaster, cement, ceramics or glass deposit	
5. Machines tools, additive manufacturing	8485.90		8485.90		16.XII.22
				Parts of machines for additive manufacturing	
6. Energetic materials and precursors	2804 50 10		2804 50 10		21.V.25
				Boron	
6. Energetic materials and precursors	2829 11 00		2829 11 00		21.V.25
				Chlorates of sodium	
6. Energetic materials and precursors	2829.19.00		2829.19.00		21.V.25
				Other chlorates	
6. Energetic materials and precursors	2829.90		2829.90	Perchlorates; bromates and perbromates; iodates and periodates (excluding inorganic or organic compounds of mercury)	19.XII.23
6. Energetic materials and precursors	3912.11.00	Non-plasticised cellulose acetates, in primary forms	3912.11.00	Non-plasticised cellulose acetates, in primary forms	23.X.25
6. Energetic materials and precursors	3912.12.00	Plasticised cellulose acetates, in primary forms	3912.12.00	Plasticised cellulose acetates, in primary forms	23.X.25

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6. Energetic materials and precursors	3912.39	Cellulose ethers, in primary forms (excl. carboxymethylcellulose and its salts)	3912.39	Cellulose ethers, in primary forms (excl. carboxymethylcellulose and its salts)	23.X.25
6. Energetic materials and precursors	4706.10		4706.10	Pulps of fibres derived from recovered (waste and scrap) paper or paperboard or of other fibrous cellulosic material: Cotton linters pulp	23.VI.23
6. Energetic materials and precursors	7603 10 00		7603 10 00	Powders of non-lamellar structure	21.V.25
6. Energetic materials and precursors	7603 20 00		7603 20 00	Powders of lamellar structure; flakes	21.V.25
6. Energetic materials and precursors	8104 30 00		8104 30 00	Magnesium raspings, turnings and granules, graded according to size; powders	21.V.25
7. Electronic devices, modules and asse	8471.50.00		8471.50.00	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	23.VI.23
7. Electronic devices, modules and asse	8471.70.98		8471.70.98	Other storage units	23.VI.23
7. Electronic devices, modules and asse	8471.80		8471.80	Units for automatic data-processing machines (excl. processing units, input or output units and storage units)	23.VI.23
7. Electronic devices, modules and asse	8517,62		8517,62	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	23.VI.23
7. Electronic devices, modules and asse	8517,69		8517,69	Other apparatus for the transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network	23.VI.23

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7. Electronic devices, modules and asse	8517.79		8517.79	Parts of telephone sets, telephones for cellular networks or for other wireless networks and of other apparatus for the transmission or reception of voice, images or other data	19.XII.23
7. Electronic devices, modules and asse	8526,91		8526,91	Radio navigational aid apparatus	23.VI.23
7. Electronic devices, modules and asse	9014.20		9014.20	Instruments and appliances for aeronautical or space navigation (other than compasses)	23.VI.23
7. Electronic devices, modules and asse	9014.80		9014.80	Other navigational instruments and appliances	23.VI.23
8. Chemicals, metals, alloys, composites	2610.00		2610.00	Chromium ores and concentrates	24.II.25
8. Chemicals, metals, alloys, composites	2819.10		2819.10	Chromium trioxide	24.II.25
8. Chemicals, metals, alloys, composites	2819.90		2819.90	Other chromium oxides and hydroxides	24.II.25
8. Chemicals, metals, alloys, composites	2825.80.00		2825.80.00	Antimony oxides	23.X.25
8. Chemicals, metals, alloys, composites	8103.20.00		8103.20.00	Unwrought tantalum, including bars and rods obtained simply by sintering; powders	23.X.25
8. Chemicals, metals, alloys, composites	8103.30.00		8103.30.00	Tantalum waste and scrap	23.X.25

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8. Chemicals, metals, alloys, composites	8103.91.00		8103.91.00	Tantalum crucibles	23.X.25
8. Chemicals, metals, alloys, composites	8103.99		8103.99	Articles of tantalum	23.X.25
8. Chemicals, metals, alloys, composites	8112.21		8112.21	Chromium: unwrought; powders	24.II.25
8. Chemicals, metals, alloys, composites	8112.22		8112.22	Chromium: Waste and scrap	24.II.25
8. Chemicals, metals, alloys, composites	8112.29		8112.29	Chromium: Other	24.II.25
8. Chemicals, metals, alloys, composites	8112.41		8112.41	Unwrought rhenium and rhenium waste, scrap and powders (excluding ashes and residues)	19.XII.23
8. Chemicals, metals, alloys, composites	8112.49		8112.49	Articles of rhenium	19.XII.23
8. Chemicals, metals, alloys, composites	8112.92		8112.92	Unwrought niobium ("columbium"), gallium, indium, vanadium and germanium; powders and waste and scrap of these metals	23.X.25
8. Chemicals, metals, alloys, composites	8112.99		8112.99	Articles of niobium ("columbium"), gallium, indium, vanadium and germanium	23.X.25
9. Machinery parts, assemblies and com	8482.10		8482.10	Ball bearings	19.XII.23

9. Machinery parts, assemblies and com	8482.20		8482.20	Tapered roller bearings, including cone and tapered roller assemblies	19.XII.23
9. Machinery parts, assemblies and com	8482.30		8482.30	Spherical roller bearings	19.XII.23
9. Machinery parts, assemblies and com	8482 40 00		8482 40 00	Needle roller bearings, including cage and needle roller assemblies	21.V.25
9. Machinery parts, assemblies and com	8482.50		8482.50	Other cylindrical roller bearings, including cage and roller assemblies	19.XII.23
9. Machinery parts, assemblies and com	8482 91		8482 91	Balls, needles and rollers	21.V.25
9. Machinery parts, assemblies and com	8483 40 30		8483 40 30	Ball or roller screws	21.V.25
9. Machinery parts, assemblies and com	8484 90 00		8484 90 00	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: other	21.V.25
9. Machinery parts, assemblies and com	9031 80 20		9031 80 20	Other instruments, appliances and machines, for measuring or checking geometrical quantities	21.V.25
10. Miscellaneous	8807.30		8807 30	Other parts of aeroplanes, helicopters or unmanned aircraft	24.VI.24

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