

HTS	List 1, Tranche 8 Specific Excluded Product Description
8412.29.8015	Unlimited rotary acting hydraulic motors, gear type, valued at \$70 or more but not exceeding \$75 each (described in statistical reporting number 8412.29.8015)
8413.70.2022	Modules containing three single-stage, single-suction, frame-mounted centrifugal pumps for liquids, with mechanical seals, with discharge outlets under 4 cm in diameter (described in statistical reporting number 8413.70.2022)
8413.91.1000	Load limiters for water pumps inserted into start/stop internal combustion engines (described in statistical reporting number 8413.91.1000)
8413.91.1000	Stainless steel bushings, having a twelve sided outer surface, designed to fit onto a fuel vapor impeller of a kind used for automotive fuel injectors (described in statistical reporting number 8413.91.1000)
8414.90.4140	Steel rings with an external diameter not greater than 18 mm designed for use in air conditioning compressors (described in statistical reporting number 8414.90.4140)
8417.90.0000	Quench casings for furnace burners (described in statistical reporting number 8417.90.0000)
8419.90.2000	Formed sheet metal guards suitable for attachment to drying rollers in papermaking machinery (described in statistical reporting number 8419.90.2000)
8420.99.9000	Chemically etched dies of steel, steel-rule cutting dies, movable magnetic dies, embossing folders and plastic embossing diffusers, of a kind used in manually-powered roller machines for etching or stenciling a single sheet of cardstock, paper, leather, flexible magnet, plastics, metallic foil, vellum, felt or fabric, such sheets measuring not more than 50.8 cm in width or length (described in statistical reporting number 8420.99.9000)
8421.21.0000	Water filtering apparatus, each valued not over \$1.50 (described in statistical reporting number 8421.21.0000)
8421.29.0065	Liquid treatment process modules designed to separate ethylene dichloride (EDC) from an EDC/water/acid solution, containing an EDC decanter, heat exchangers and pumps, measuring not over 23 meters by 23 meters by 25 meters (described in statistical reporting number 8421.29.0065)
8421.39.8040	Chlorine absorption process modules designed to dissolve chlorine gas, produced through the interaction of salt water and hydrochloric acid, in a liquid, measuring not over 35 meters by 23 meters by 26 meters (described in statistical reporting number 8421.39.8040)
8421.39.8040	Gas treatment process modules, each containing a methylenediphenyl diamine (MDA) vent scrubber and nitrogen gas stripping column, designed to use aniline to filter MDA from the nitrogen gas stripping column, measuring not over 26 meters by 21 meters by 17 meters (described in statistical reporting number 8421.39.8040)

8421.39.8040	Gas treatment process modules, each containing a reactor vent scrubber designed to scrub evaporated phosgenation reaction liquid with chlorobenzene, measuring not over 26 meters by 22 meters by 22 meters (described in statistical reporting number 8421.39.8040)
8421.39.8040	Gas treatment process modules, each containing scrubbers and decomposers designed to remove hazardous gases on the surface of packing in packed columns, measuring not over 21 meters by 17 meters by 36 meters (described in statistical reporting number 8421.39.8040)
8421.39.8040	Methylene diphenyl diisocyanate (MDI) isomers separation process modules designed to purify MDI gas, measuring not over 24 meters by 21 meters by 22 meters (described in statistical reporting number 8421.39.8040)
8421.39.8040	Modules, each consisting of a carbon dioxide (CO ₂) stripper and heat exchangers designed to remove CO ₂ from solutions to produce 1-Ethyl-3-(3-dimethylaminopropyl) carbodiimide (EDC), measuring not over 20 meters by 20 meters by 17 meters (described in statistical reporting number 8421.39.8040)
8421.39.8040	Process modules containing activated carbon absorbers designed to absorb volatile organic compounds, measuring not over 21 meters by 20 meters by 15 meters (described in statistical reporting number 8421.39.8040)
8421.39.8040	Thermal oxidizer modules (TOx) designed to destroy hazardous compounds in water vapors, gases and liquids produced during the ethylene dichloride (EDC) and methylene diphenyl isocyanate (MDI) production processes, containing a combustion chamber and scrubber for conversion of nitrogen oxide (NOX) to nitrogen (N ₂), measuring not over 35 meters by 20 meters by 14 meters (described in statistical reporting number 8421.39.8040)
8421.39.8040	Thermal oxidizer modules (TOx) designed to destroy hazardous compounds in water vapors, gases and liquids produced during the ethylene dichloride (EDC) and methylene diphenyl isocyanate (MDI) production processes, containing a combustion chamber and scrubber for conversion of nitrogen oxide (NOX) to nitrogen (N ₂), measuring not over 31 meters by 24 meters by 20 meters (described in statistical reporting number 8421.39.8040)
8427.10.8020	Operator riding self-propelled aerial work platforms of a kind described in statistical note 1 to chapter 84, powered by an electric motor, with a load capacity not exceeding 1,400 kg (described in statistical reporting number 8427.10.8020)
8429.51.1035	Tractor shovel loaders, each with 4 wheel drive, a bucket capacity of at least 2.9 m ³ but under 3.8 m ³ , engine of 168 kW to 180 kW, operating weight of 19.1 t (42,000 lbs.) (described in statistical reporting number 8429.51.1035)

8431.43.8060	Cement retainer assemblies with diameter of 4.5 cm or more but not exceeding 51 cm and length of 30.5 cm or more but not exceeding 72 cm, composed of cylindrical cast iron components, nitrile rubber seal and brass back-up rings, suitable for use solely or principally with the machinery of subheadings 8430.41 or 8430.49 (described in statistical reporting number 8431.43.8060)
8431.49.9095	Snow plow blades and frames therefor (described in statistical reporting number 8431.49.9095)
8432.90.0020	Wheel and tire assemblies, each having a wheel of plastics no more than 20 cm in diameter and 16 cm in width and having a tire of rubber no more than 40 cm in diameter and 16 cm in width (described in statistical subheading 8432.90.0020)
8432.90.0060	Assemblies of parts of seeders for transmitting mechanical hand motions to the gate mechanism for starting, adjusting and stopping the flow of seeds (described in statistical reporting number 8432.90.0060)
8432.90.0060	Parts of fertilizer distributors (described in statistical reporting number 8432.90.0060)
8432.90.0060	Wheels, of plastics, each wheel being not more than 16 cm in diameter and not more than 8 cm in width (described in statistical reporting number 8432.90.0060)
8439.10.0010	Complete pulp making mills, including pulping machinery, screening machinery, cleaning machinery, settling tanks, pumps and filters, each mill valued in its entirety at more than \$2 million and less than \$4 million (described in statistical reporting number 8439.10.0010)
8439.99.1000	Complete sections of paper or paperboard making machines, whether or not assembled, for forming (transforming a slurry into a solid sheet) paper or paperboard (described in statistical reporting number 8439.99.1000)
8439.99.1000	Subassemblies of the pressing and forming sections of paper or paperboard making machines, whether or not assembled, for assisting in replacement of rollers and fabric (described in statistical reporting number 8439.99.1000)
8439.99.5000	Sizer nip rolls of steel and cast iron with polymer cover for finishing paper or paperboard (described in statistical reporting number 8439.99.5000)
8443.99.2050	Stapler-stackers of printer units of subheading 8443.32.10, and parts thereof (described in statistical reporting number 8443.99.2050)
8455.22.0000	Machines for cold forming light-gauge coiled steel (such steel 0.35 cm or more but not exceeding 0.61 cm in thickness) into corrugated or other multi-ribbed panels (such panels 91.4 cm in width) by progressively passing the steel through at least 15 but no more than 20 shaped rolls and cutting to length with a hydraulic shear (described in statistical reporting number 8455.22.0000)
8458.99.1050	Vertical turret lathes, each weighing more than 10,000 kg (described in statistical reporting number 8458.99.1050)
8462.31.0080	Machines for slitting metal, numerically controlled, new, each weighing over 2,200 kg but not over 2,300 kg (described in statistical reporting number 8462.31.0080)

8464.90.0110	Glass-working machines, numerically controlled, each valued over \$50,000 (described in statistical reporting number 8464.90.0110)
8465.92.0034	Woodworking planers with two-knife cutter heads, other than for working in the hand, valued not over \$200 each (described in statistical reporting number 8465.92.0034)
8465.93.0030	Edge belt sanders, each valued under \$150, other than for working in the hand, designed for a belt width not over 16 cm (described in statistical reporting number 8465.93.0030)
8477.20.0005	Machines for extruding rubber or plastics utilizing two successive single-screw apparatus (described in statistical reporting number 8477.20.0005)
8477.20.0015	Extrusion machines for processing rubber, twin-screw type, designed to produce inner liners for tires (described in statistical reporting number 8477.20.0015)
8477.80.0000	Machines for cutting plastics, electrically powered, valued not over \$300 per unit (described in statistical reporting number 8477.80.0000)
8479.82.0080	Crushing or grinding machines, not used in the manufacture of beverages or crushing of mineral substances, each valued at more than \$10,000 (described in statistical reporting number 8479.82.0080)
8481.40.0000	Safety valves, of brass or bronze, containing a fusible element to automatically close the valve at a set temperature, each valued not over \$5 (described in statistical reporting number 8481.40.0000)
8481.90.9060	Foot valve housings, of a kind incorporated in paint spraying apparatus, with no external measurement greater than 5 cm (described in statistical reporting number 8481.90.9060)
8482.40.0000	Needle roller bearings having an inside diameter of 2.54 cm, an outside diameter of 3.33 cm and a width of 3.81 cm and having cylindrical rollers of a uniform diameter not exceeding 5 mm and having a length which is at least three times the diameter (described in statistical reporting number 8482.40.0000)
8501.10.4060	DC electric motors, of an output of less than 18.65 W, other than brushless, measuring less than 38 mm in diameter (described in statistical reporting number 8501.10.4060)
8501.31.2000	DC gear motor of an output exceeding 37.5 W but not exceeding 74.6 W, with a spring coupling mechanism, an output shaft and a locking connector (described in statistical reporting number 8501.31.2000)
8501.31.2000	DC motor of an output exceeding 37.5 W but not exceeding 74.6 W, an actuator with an adjustable rod end with bushing, a bushing for rear mounting, a power cable and a connector (described in statistical reporting number 8501.31.2000)
8501.31.2000	Wound field two-speed DC motors and permanent magnet brushed DC motors, of an output exceeding 67 W but not exceeding 69 W, valued \$8 or more but not exceeding \$17 each (described in statistical reporting number 8501.31.2000)
8501.31.6000	DC motors, electronically commutated, three-phase, eight-pole of a kind used in HVAC systems, of an output of 750 W, valued not over \$100 each (described in statistical reporting number 8501.31.6000)

8501.51.4040	Multi-phase AC motors, of an output not exceeding 110 W, other than gear motors (described in statistical reporting number 8501.51.4040)
8501.52.8040	AC motors, multi-phase, of an output exceeding 14.92 kW or more but not exceeding 75 kW , not of a kind used in civil aircraft (described in statistical reporting number 8501.52.8040)
8501.53.8060	AC multi-phase motors, each with an output exceeding 450 kW, fitted with pulleys and brakes (described in statistical reporting number 8501.53.8060)
8501.62.0000	AC generators (alternators) with output exceeding 75 kVA but not exceeding 375 kVA, designed for electric generating sets of heading 8502 (described in statistical reporting number 8501.62.0000)
8504.40.4000	Speed drive controllers for electric motors, designed for use in vehicles using electric motors for propulsion, including but not limited to material handling equipment, golf carts, sweeper scrubbers and aerial lifts, with a value of \$50.00 or more but not exceeding \$700.00 (described in statistical reporting number 8504.40.4000)
8506.90.0000	Plastic cases designed to contain 9V alkaline cells, measuring 6.35 cm by 13.34 cm by 3.18 cm, with button connectors (described in statistical reporting number 8506.90.0000)
8515.19.0000	Soldering stations, consisting of a benchtop power source, a hand piece, a power cord and work stand, operating by the power source providing electric radio frequency current to heat the hand piece (described in statistical reporting number 8515.19.0000)
8526.92.5000	Radio remote control apparatus of a kind suitable for opening or closing gates (described in statistical reporting number 8526.92.5000)
8529.90.1660	Printed circuit board assemblies, measuring 27.94 cm in length, 17.78 cm in width and 5.08 cm in height, of a kind used in radio remote controller apparatus for radio remote control of machinery, comprising a copper base to which are attached two capacitors, sixteen relays, sixteen varistors, two rows of terminal block connectors, two fuses in black housings with flat-head screw slots on top and an LED number display (described in statistical reporting number 8529.90.1660)
8529.90.9900	Aluminum feed horn assemblies measuring 8.4 cm in length and 5.1 cm in diameter, with operating frequencies of 17.8 to 20.2 GHz (receive) and 28 to 30 GHz (transmit), valued at \$2.75 or more but not exceeding \$2.85 each (described in statistical reporting number 8529.90.9900)
8532.22.0085	Aluminum electrolytic fixed capacitors, exceeding 51 mm in diameter, each valued over \$6.50 but not over \$8 (described in statistical reporting number 8532.22.0085)
8532.24.0020	Multi-layer ceramic, temperature-stable capacitors (temperature coefficient 5XR), with 47 microfarad capacitance, measuring 2 mm by 1.25 mm by 1.25 mm, valued at \$0.08 or more but not exceeding \$0.12 per piece (described in statistical reporting number 8532.24.0020)
8533.10.0065	Fixed electrical carbon film resistors, not designed for surface mounting by contact, having two leads, with a power handling capacity not over 1 W (described in statistical reporting number 8533.10.0065)

8533.21.0080	Wirewound fixed electrical resistors with a power handling capacity not over 20 W, and with a core of glass, ceramic or metal oxide file (described in statistical reporting number 8533.21.0080)
8533.21.0090	Thermistors of ceramic metal oxide, each with two leads (described in statistical reporting number 8533.21.0090)
8533.40.8040	Contact sensors, of a kind used to detect the pressing and releasing of an automotive accelerator pedal, comprising a ceramic board and a rotor housed in a molded plastics body, which together create a potentiometer (rheostat) controlling the actuation of the engine throttle, valued at \$6.70 or more but not exceeding \$7.55 per piece (described in statistical reporting number 8533.40.8040)
8536.30.4000	Motor overload protectors, in 1 pole, 2 pole or 3 pole configurations, with electric current load ratings up to 60 A, measuring 19 mm or more but not exceeding 57 mm in height, 102 mm in length, and 76 mm in width, and valued at \$6.00 or more but not exceeding \$8.40 per piece (described in statistical reporting number 8536.30.4000)
8536.41.0045	Three-pole contactors, operating at 12 to 60 V, with a plastics housing enclosing three movable, silver cadmium oxide contacts (normally open only) rated at 50 A or more but not exceeding 60 A, an electromagnetic coil, a coil spring, coil terminals, polyester actuator, stationary terminals supported by a polyester component, a coil dust cover and an optional insert for an auxiliary switch, valued at \$9.00 or more but not exceeding \$10.00 per piece (described in statistical reporting number 8536.41.0045)
8536.50.9020	Rotary switches for a voltage not exceeding 1,000 V, rated at not over 5 A, containing an aluminum shaft in a push-button actuator connected to a nylon housing containing a printed circuit board (described in statistical reporting number 8536.50.9020)
8536.50.9031	Momentary contact push-button switches rated at 9 V or more but not exceeding 16 V and not over 50mA, with no dimension exceeding 70 mm (described in statistical reporting number 8536.50.9031)
8536.50.9033	Push-button and proximity switches rated at not over 5 A, designed for automotive gearshift applications, with or without connectors (described in statistical reporting number 8536.50.9033)
8536.50.9035	Push-button switches rated at over 5 A but not exceeding 20 A, each article having external connections permitting the switch to be wired in either normally open or normally closed configuration (described in statistical reporting number 8536.50.9035)
8536.50.9065	Rocker switches, for a current of 16 A or more but not exceeding 20 A (described in statistical reporting number 8536.50.9065)
8536.50.9065	Switches for domestic clothes dryers, valued over 35 cents but not over 40 cents each (described in statistical reporting number 8536.50.9065)
8536.50.9065	Switches incorporated into latches for domestic appliances, valued over \$ 0.90 but not over \$1.25 each (described in statistical reporting number 8536.50.9065)

8536.69.4010	BNC straight radio frequency (RF) male-pin cylindrical connector/terminator plugs, for a voltage not exceeding 1,000 V, with impedance of 51 ohms, rated up to 1 W, measuring not over 29 mm long by 15 mm in diameter (described in statistical reporting number 8536.69.4010)
8536.90.4000	Electrical connectors, for a voltage not exceeding 1,000 V, of a kind used to make electrical connections in ballast lighting (described in statistical reporting number 8536.90.4000)
8538.10.0000	Enclosures of alloy steel, containing all the electrical components for underground mining machinery, such enclosures weighing more than 15 t (described in statistical reporting number 8538.10.0000)
8538.90.6000	Polycarbonate cap-shaped covers capable of fitting over a raised control button such as that located on an electronic pet-collar apparatus, each cover 0.39 mm in diameter and 0.134 mm in height (described in statistical reporting number 8538.90.6000)
8538.90.8120	Bodies of gas circuit breakers for electrical utilities, with installed interrupters, each weighing more than 800 kg (described in statistical reporting number 8538.90.8120)
8544.30.0000	Wiring sets for golf carts with electric motor for propulsion (described in statistical reporting number 8544.30.0000)
8544.60.4000	Insulated three conductor cables of copper, for a voltage exceeding 1,000 V, for subsea use, of a length exceeding 3.5 km and weighing over 90 t (described in statistical reporting number 8544.60.4000)
8544.70.0000	Digital optical fiber cables, with connectors, of a length exceeding 0.5 m but not exceeding 4.0 m (described in statistical reporting number 8544.70.0000)
8803.30.0030	Gearhead assemblies and parts thereof, for use in civil aircraft other than by the Department of Defense or the United States Coast Guard, each valued not over \$90 (described in statistical reporting number 8803.30.0030)
8803.30.0030	Output carriers, of passivated stainless steel, having a gear measuring 36.754 mm in length and 33.782 mm in diameter, with 17 teeth each of a maximum circular thickness of 0.8306 mm, of a kind used in a gearhead assembly for the high-lift system of aircraft, for use in civil aircraft other than by the Department of Defense or the United States Coast Guard (described in statistical reporting number 8803.30.0030)
9013.80.7000	Flexible pressure sensitive LCD panel display devices used as a surface for electronic writing (described in statistical reporting number 9013.80.7000)
9018.20.0040	Therapeutic mouthpieces, of silicone and polycarbonate plastics, having embedded infrared (880 nm) and red (660 nm) LED lights, of a kind used for radiating the upper and lower gum lines within the mouth, valued at \$45 or more but not over \$50 each (described in statistical reporting number 9018.20.0040)
9018.90.7560	(88) Negative pressure wound therapy systems (described in statistical reporting number 9018.90.7560)

9022.12.0000	Combined positron emission tomography/computed tomography (PET/CT) scanners which utilize multiple PET gantries (frames) on a common base (described in statistical reporting number 9022.12.0000)
9030.33.3800	Programmable DC electronic load instruments capable of presenting a constant load to a device, such as constant resistance, constant voltage, constant current, or constant power, weighing more than 4 kg but less than 8 kg (described in statistical reporting number 9030.33.3800)
9030.90.8911	Current probes for oscilloscopes (described in statistical reporting number 9030.90.8911)
9031.49.9000	Booths, measuring 61 cm in width, 70 cm in length and 94.5 cm in height, with integrated cooling fans and an LCD display with touch-pad controller, of a kind used to demonstrate and assess the effects of alternative lighting conditions on surface colors (described in statistical reporting number 9031.49.9000)"