

GECEX RESOLUTION 128, OF DECEMBER 10, 2020

NCM	Ex	Description
7309.00.90	8	Tanks made of steel plate coated with glass layer, for the treatment of industr
7309.00.90	17	circular tanks made of bolted steel plates coated with vitrified (glass to the m
8207.30.00	15	progressive tools for stamping stator blades, rotors and rotors packages airtig
8207.30.00	34	Tools used for hot stamping (hot forming) of automotive parts, with punches
8405.10.00	3	industrial compact units, mounted on container, for the production of hydroge
8407.90.00	3	Internal combustion engines GLP version with four cylinders, with a cylinder
8408.10.90	70	electronic marine diesel engines 4-stroke, compression ignition, direct injecti
8408.10.90	72	Electronic marine diesel engines 4-stroke, compression ignition, direct injecti
8408.10.90	73	electronic marine diesel engines 4-stroke, compression ignition, direct injecti
8408.10.90	113	diesel engines, marine, electronics, 4-stroke, compression ignition, direct inje
8408.10.90	114	marine piston engines with compression ignition (diesel cycle) for the propul
8408.90.90	1	diesel engines for electric locomotives and diesel hydraulic, maximum power
8408.90.90	12	Internal combustion piston engines and diesel cycle, 4 cycle, water-cooled, co
8408.90.90	21	electronic diesel engines for diesel-electric locomotives and diesel-hydraulic,
8412.90.90	2	Stators provided with helical lobes elastomer molded within the metal tube to
8413.50.10	12	Piston diaphragm pumps for pumping ore slurry with 125kW power (167.6H
8413.50.10	36	Hydraulic drive units for hydraulic tools, capable of operating from 2 tools si
8413.50.90	45	Alternative positive displacement motor pumps, piston 3 with 8.0 to 12mm, v
8413.70.80	15	Centrifugal pumps for washing machine made of plastic, equipped with two e
8413.81.00	31	High pressure pumps with piston 3 with a production capacity of 10.400kg / l
8414.10.00	28	Vacuum pumps, rotary, oil-lubricated vane, with or without engine, with a no
8414.80.12	4	Elements compressors, free of oil, casting compounds, rotor bolts with or wit
8414.80.12	7	Elements compressors (screw rotor and housing) with or without gear train fo
8414.80.12	18	Elements rotary compressors, screw-type, self-propelled by permanent magne
8414.80.31	2	Units for hydrogen compressors, piston type, mounted in "skid" with two con
8417.20.00	17	Ovens for baking with baking capacity of 43,200 mass units per hour (tortilla
8417.80.90	38	Lehr ovens type tunnel modular sections 9, gas for annealing and controlled c
8417.90.00	62	Support roller constructed of cast iron or steel to support a rotary kiln for the
8418.69.99	25	PVC hard grain cooling systems in pressurized water flow through the educto
8419.32.00	31	Desiccator vacuum insulating paper capable of 12,315m <sup>3</sup> , provided with mov
8419.39.00	2	Conditioners continuous action leather with injection of high pressure air by f
8419.39.00	108	Machine dry creping synthetic laminates, of up to 100 kg with use of hot air j
8419.50.10	7	Combined heat exchangers of brazed aluminum plates with internal fins made
8419.50.10	25	Combined heat exchangers of brazed aluminum plates with internal fins exch
8419.50.10	32	Heat exchangers combined in brazed aluminum single body, compressed air v
8419.50.10	36	Heat exchangers made of aluminum corrugated plates propylene subcooling,
8419.81.10	1	Industrial rotary autoclaves with excess pressure for sterilization by means of
8419.81.90	49	automatic for exclusive circulation of coffee machines, hot tea and water, wit
8419.81.90	50	Machines for exclusive coffee drawing, tea and hot water, equipped with coir
8419.81.90	51	Automatic espresso machines and other soluble beverage in hot water tower c
8419.89.19	28	Sterilizers food by ultra high temperature ( "UHT - Ultra High Temperature"
8419.89.99	107	heat treatment tunnels through high internal temperature, turns the treatment
8419.89.99	176	horizontal tanks for the production of curd, with a minimum capacity of 10,00
8419.89.99	200	wet creping machines synthetic laminates, with capacity of up to 200kg, using
8419.89.99	201	medium voltage electrical heaters for heating ethane gas with 4,16kV voltage
8419.89.99	202	gas treatment units through deoxidation and hydrogen DRY mounted in "skid
8419.89.99	203	cooling water cooling panels with a capacity of working 6barg, internal volur
8419.89.99	204	Stainless steel reactors for solid state polymerization (SSP) and decontaminat

8419.90.39	9	Blocks corrugated plates for plate heat exchangers, brazed and assembled blo
8420.10.90	2	Continuous press, calender type to dry hides, using 2-roll coated felt, with a c
8420.10.90	4	continuous hydraulic presses, calenders type to mangle and record leathers w
8420.10.90	5	rotary hydraulic presses, roller type, for stretching and embossing hides and s
8420.10.90	6	continuous Hydraulic press (calender) to roletar, flatten and smooth leather se
8420.10.90	8	Machine for stretching leather sole calender type with double cylinder estiras
8420.10.90	40	Hydraulic rotary presses, roller type mangle for hides and skins, with a heated
8420.10.90	45	Combinations of machines for straightening surfaces synthetic polyurethane l
8420.10.90	46	Combinations of machines for recording process embossed synthetic polyure
8420.10.90	47	Calenders heated, suitable for compact cotton bands with smooth rollers or no
8420.91.00	4	Cylinders (shirts) for calendering rolls used in paper and pulp industry, made
8420.91.00	5	Cylinders (rolls) Heat to calenders used in the paper industry, made of chilled
8421.19.90	54	Centrifugal separators, high speed, forming a single body, airtight, for remov
8421.21.00	9	Modules hollow fiber ultrafiltration membranes of polyvinylidene fluoride (P
8421.21.00	10	Treatment systems by filtration and purification of water or wastewater, moun
8421.21.00	24	ultrafiltration membrane modules of hollow fibers made of polyvinylidene fl
8421.21.00	48	Modules hollow fiber ultrafiltration membranes of polyvinylidene fluoride (P
8421.21.00	49	Treatment systems by filtration and purification of effluents, mounted on stee
8421.21.00	65	system with machine combinations which combines in the same apparatus, flo
8421.29.90	111	containment equipment and sand filter for oil wells equipped with perforated
8421.29.90	112	Equipment for preparation, filtering and lubricating emulsion cooling to horiz
8421.39.90	59	Capacitors humidity ( "water trap") for respiratory gas analyzers, with 0.8 mi
8421.39.90	62	Filters for steam to the steam contamination-free filtration with membrane fil
8421.39.90	63	Filters for air or gas to sterile filtration efficiently to prevent contamination, v
8421.39.90	64	Compressed air filters, carbon dioxide (CO2) and other gases to free préfiltra
8421.99.99	20	housing modules reinforced polypropylene, glass fiber for filter elements (car
8422.30.10	8	liquid nitrogen dosing equipment in bottles, jars, bottles or cans with the spee
8422.30.10	45	rotating dispensers at least 3 and at most 8 heads for corking bottles of wine &
8422.30.21	66	Automatic bagging machines for filling packages of the type "big bag" with g
8422.30.29	78	Rotating Machines for packaging of food products, liquids or pastes with soli
8422.30.29	274	Equipment choice and boxing ceramic tiles with size control and automatic fl
8422.30.29	323	automatic, vertical machines for forming, filling and sealing plastic container
8422.30.29	327	Automatic machines for filling liquid and pasty products up to 96 ° C in a lan
8422.30.29	380	Combinations of automatic machinery for filling, closing, labeling, grouping
8422.30.29	381	programmable control serum Machines for filling system for "time-pressure".
8422.30.29	382	aseptic filling machinery injectable drugs endowed with bottles accumulation
8422.30.29	383	Machine aseptic filling machines, automatic, continuous, to package milk UH
8422.30.29	384	bottles recravadoras machines with the function of: collecting bottles in the a
8422.30.29	385	Machine combinations for washing, sterilization and filling barrels "KEG" w
8422.30.29	386	Automatic filling machine and seal food packaging type preformed flexible b
8422.30.29	387	automatic equipment and continuous dosing, weighing and labeling, for the p
8422.30.29	388	labeling machines, automatic, for applying self-adhesive labels in ampoules, t
8422.40.90	274	Machine packing / automatic wrappers for packaging poultry parts, meat, fish
8422.40.90	472	Horizontal continuous and automatic machines for bottling soft drink and des
8422.40.90	490	Machines for packing goods with termorretrátril film packaging capacity to 6
8422.40.90	588	Machine automatic packaging machines for packaging trays containing food l
8422.40.90	684	Combinations of machines for the processing of "cold ready meals", tray with
8422.40.90	685	Machines packing flour tortillas prefabricated plastic packaging capacity of u
8422.40.90	686	automatic thermoforming machines for forming rigid packages from CPET (p
8422.40.90	687	arqueadoras equipment loads (cargo lashing), capacity equal to or greater 2.3
8422.40.90	688	Combinations of automatic machines for tying packages cardboard boxes wit

8422.40.90	689	Machines for packing fruit in packages in quantities and different and pre-pro
8422.40.90	690	extensible film wrappers manual machines (stretch) on pallets, provided with
8422.40.90	691	automatic machines to form, close and box deodorizer packages in cardboard
8422.40.90	692	a suture winding equipment in plastic packaging (III zipper) and printed paper
8422.40.90	693	Machines for making "drops" (grouping bullets) at high speed with the ability
8423.30.11	5	Automatic forming portions, to fixed weight, capable of forming / cluster 18 t
8423.30.11	6	Machines for automatic weighing of fresh or frozen products for the producti
8423.30.11	10	birds weighing equipment, digital auto-calibration, consisting of two wheels (
8423.30.11	19	bagging equipment fully automatic, grain and chaff to preformed bags open n
8424.20.00	7	applying spray guns high density materials (pastes or fluids under cabs) and c
8424.20.00	8	rotary electrostatic paint sprayers for direct or external load, equipped with p
8424.30.10	41	Machines for washing and overall clearance holes, oil canals, water gallery o
8424.89.90	13	Machines for applying powdered metal coils in electrical capacitors, by mean
8424.89.90	127	Programmable ornamental fountains, cybernetic, composed of ejector nozzles
8424.89.90	154	machines Combinations painting installation complement and / or sealant cor
8424.89.90	222	Machines for applying enamel comprising automatic pistols "airless" control
8424.89.90	270	Industrial robots for automotive paint, with orbital movements of 3 or more d
8424.89.90	294	Combinations of machines for applying PVC compound automotive body wit
8424.90.90	28	Cylindrical adjustable drippers, incorporating a non-draining device with filte
8424.90.90	29	Cylindrical adjustable drippers with the water inlet filter with continuous self
8424.90.90	30	Adjustable non-cylindrical dripper, with filter water inlet labyrinth for turbule
8424.90.90	31	Drippers planes, in autocompensantes pressures ranging from 0.5 to 3,5bar w
8424.90.90	32	For atomizing bells, with a diameter of 35 to 80mm, made of aluminum, stair
8424.90.90	42	Drip planes with filter with water inlet nominal flow rate, the pressure betwee
8425.39.90	60	Tugs (special winches) capacity less than 280T, equipped with trunnion pin s
8426.12.00	3	Self-propelled carriers for tires, "straddle carrier type" load-lifting capacity b
8426.41.90	52	self-propelled cranes on tires, driven by diesel engine minimum output of 224
8426.41.90	81	self-propelled cranes on wheels, powered by rechargeable electric battery of
8426.49.90	55	hydraulic manipulators for handling materials, self-propelled crawler with ga
8427.10.19	4	Forklift self-propelled by an electric motor and an alternating current (AC), c
8427.10.19	20	Forklift selectors electrical applications with alternating current motor (AC) l
8427.10.19	28	Forklift retractable self-propelled, electric motor AC traction (AC) with run s
8427.10.19	30	Electrical trilateral forklift with front and side seat mast, the AC traction elec
8427.10.19	31	Trilateral forklifts with electric electric motor AC traction (CA) 7,6kW, powe
8427.10.19	33	Forklift retractable self-propelled multi-directional profile and to carry long l
8427.10.19	34	Electric forklifts trilateral, with maximum load capacity of up to 1,500 kg and
8427.10.19	42	Forklift self-propelled, the AC traction electric motor (AC), in 3 stages 80V,
8427.10.19	122	Trilateral forklift electrical, self-propelled, with tractive lifting device and alt
8427.10.19	123	Forklift electric motor self-propelled traction alternating current (AC) counte
8427.10.19	132	Self-propelled stackers, electric motor and alternating current (AC), counterb
8427.10.19	133	Forklifts self-propelled electric, side, multidirectional and retractable or fixe
8427.10.90	85	Selectors vertical applications, self-propelled, the AC traction electric motor
8427.10.90	112	Aerial work platforms, with retractable main column, driven by an electric m
8427.10.90	113	Aerial work platforms, with retractable main column, driven by an electric m
8427.10.90	145	self-propelled electric Transpaletiras, alternating current (AC) 24 V, with au
8427.20.10	4	Forklift self-propelled pneumatic tires and driven by diesel engine with a pov
8427.20.10	16	specialized forklifts in empty containers of 20 and 40, "driven by power diese
8427.20.10	34	Forklift tires on self-propelled, powered by diesel engine with power between
8427.20.90	147	Forklift self-propelled, powered by a gasoline engine, diesel or LPG (liquefie
8427.20.90	176	Vehicle platform lift for aerial work, scissor with sliding type platform (with
8428.20.90	7	Transport equipment the vacuum superabsorbent polymer mass density of 0,7

8428.39.90	99	automatic transfer equipment between lines, mounted on a single shaft and b
8428.39.90	163	Conveyor / cooler wheat flour tortillas, with cooling capacity 720unidades / r
8428.39.90	164	Equipment counters and stackers flour tortillas with a production capacity of
8428.39.90	165	tray loaders, mechanics, to collect bottles in plastic trays, metal or cardboard,
8428.39.90	166	Combinations of machines for sorting, aligning and automatic loading of saus
8428.40.00	1	Stairs or moving walkways equipped machine with electric motor AC, three p
8428.40.00	2	Stairs or crawlers equipped with intelligent lubrication system of belts, senso
8428.40.00	6	Escalators or moving walks machine equipped with electric motor of three-ph
8428.90.90	50	Combinations of machines for loading and unloading of autoclaves, non-cont
8428.90.90	60	transport machines, counting, stacking and pressing with compensation of pri
8428.90.90	168	Feeder metal bars for loading lathe by means of hydraulically operated piston
8428.90.90	171	automatic power Magazines bars, tubes and profiles, for machine tools that w
8428.90.90	260	automatic robotic palletizers, for ceramic floors boxes with carriers boxes, ca
8428.90.90	261	Automatic machines for handling and storage of ceramic coating, burnt or rav
8428.90.90	266	Positioners parts for welding / positioner servocontrolado or triggered manual
8428.90.90	278	Feeder leathers for automatic promotion from the stretching machine to mach
8428.90.90	285	Machines for positioning, opening and application of valve bags on rotary ba
8428.90.90	286	Aerial work platforms designed for one occupant, no pantograph, manual pro
8428.90.90	356	Magazines automatically feeding bars, tubes and profiles, to machine tools, tr
8428.90.90	361	Lances hydraulic, telescopic and hinged with one bucket with capacity varyin
8428.90.90	366	Magazines automatic robot with configuring one or more modules for storage
8428.90.90	420	automatic palletising machines, portal type, towards ceramic coatings packag
8428.90.90	421	automatic palletization palletizers to organization and multi-layered multiple
8428.90.90	422	Combinations of machines for automatic processing of cardboard boxes after
8428.90.90	423	Combinations of machines for loading and unloading rods for automotive eng
8429.11.90	1	Bulldozers mats with maximum power on the wheel less than 405HP, with se
8429.40.00	16	Rollers soil compactors and / or asphalt, self propelled, dual tandem cylinder
8429.40.00	17	Roller soil compactors, self-propelled, single cylinder (singledrum) vibration
8429.51.99	6	Self-propelled vehicles of the skid steer loader type wheels, driven by diesel e
8429.51.99	24	Wheel loaders, self-propelled, diesel engine, transmission "powershift" plane
8429.52.19	5	Excavators self-propelled, with a superstructure capable of performing a 360
8430.10.00	39	hydraulic impact hammer for pile driving, maximum drop height of 1,200 mm
8430.41.20	3	Drilling soil, self-propelled crawler, rotary type diesel engine with power equ
8430.41.20	21	Rotary drilling, self-propelled crawler, equipped with hydraulic feed system v
8430.41.20	23	Drilling soil, self-propelled crawler, rotary type electric motor with power eq
8430.41.90	2	Machines for rock drilling, with articulated chassis, self-propelled, wheeled,
8430.41.90	3	rock drilling equipment and installation of steel cables, self-propelled, whee
8430.41.90	10	Machine for drilling rocks and installation of rods with articulated chassis, se
8430.41.90	14	Rotary drilling, self-propelled on wheels equipped with rotating impact head
8430.41.90	16	Machines for rock drilling, with rigid chassis, self-propelling wheeled, displa
8430.41.90	27	Drilling soil, self-propelled crawler, the rotary type with bottom impact (DTH
8430.41.90	52	rock drilling equipment like "boring raise", self-propelled, wheeled with artic
8430.50.00	2	Equipment self-propelled articulated and demoted, equipped with blade "bull
8430.50.00	7	Equipment self-propelled articulated, equipped with blade "bulldozer" and ar
8430.50.00	36	self-propelled machines on four wheels, with articulated chassis and direction
8431.20.11	26	External beams in HC-103 steel with tensile strength 78.000psi, maximum to
8431.20.11	27	arm sets "mini-lever" for moving pallets with electrical control handles for m
8431.31.10	7	toothed belts used as traction elements for exclusive use in elevators.
8431.31.10	17	Bumpers for hydraulic elevators with speeds ranging from 1.5 to 1.8 m / sec,
8431.31.10	29	Bumpers for hydraulic elevators with speeds ranging from 3 to 5,08m / s, oil
8431.31.10	57	Electronic devices for indicating position and displacement elevators with "d

8431.31.10	58	Electronic devices for calling elevators with buttons illuminated by LED deg
8431.31.90	4	"Pallets" (floors) for crawler in aluminum alloy.
8431.31.90	7	Step for escalators aluminum alloy.
8431.49.10	12	lifting equipment to vertically move the load hook of tower cranes through 2
8431.49.10	13	Equipment to produce turning movements at the top of tower cranes, equippe
8431.49.10	14	translation equipment to move horizontally the loading carts tower crane hoo
8433.20.90	5	cutting surfaces of rotating disks, to be applied to self-propelled forage for cu
8433.20.90	10	Machine autotransportadas to cut, collect, store and tilt gram / lawn, provided
8433.40.00	1	Balers for giant bales of hay, tensioned, with production of rectangular bales
8433.40.00	14	Pick-up balers for straw or fodder, not self- propelled, tensioned by a tractor,
8433.40.00	27	Pick-up balers for straw or fodder, not self- propelled, tensioned by a tractor,
8433.40.00	35	Balers large rectangular bales, plastered with different configurations of kniv
8433.59.90	36	Automatic tobacco leaf harvesters (low and middle foot), 4-wheel and 4 lines
8433.59.90	37	Harvesting tobacco leaves (low / middle foot), 3 and 2 lines wheels, rear disc
8433.59.90	38	automatic tobacco harvesters end leaves (high standing), 4-wheel and 4 rows,
8433.60.29	8	Machines for wrapping eggs for the whole egg production or separated egg y
8434.10.00	2	Combinations with automatic machines for milking cows stations with 3.200l
8434.10.00	10	rotating equipment, carousel for automated milking cows, with capacity 24-8
8434.10.00	11	machines Combinations direction, feeding and robotic milking cows, compris
8434.20.10	2	Machines for standardizing the milk fat and cream with a density sensors, flo
8436.10.00	31	For preparation, mixing and dispensing animal feed for pigs, with adjustment
8436.29.00	35	loading platforms and transport of poultry, with a mobile conveyor and the bi
8436.80.00	33	self-propelled wheeled machines for felling, delimiting and trimming of logs,
8436.80.00	76	wood waste disposers or entire trees, horizontal operation under self-propelle
8436.80.00	77	self-propelled forestry machines on wheels, with traction 6 x 6, with power g
8436.91.00	1	automatic feeders for producing arrays of fertile eggs, provided with electron
8436.99.00	4	forest heads for cutting, delimiting and successive cuts into desired lengths pl
8436.99.00	5	abeçotes forest for cutting and delimiting trees planted or reforestation.
8436.99.00	8	Heads type "feller" disc with constant rotation for tipping multiple planted tre
8437.80.10	9	Roller mills for grinding grains, for industrial use, with capacity up 1.550t / d
8437.80.90	13	Compressor Machines for rolling or flattening of grains, industrial use, with c
8438.10.00	137	with continuous kneading machines for gravimetric dosing of ingredients / vo
8438.10.00	168	Machines splitter / shaping mass for making flour tortillas, with a processing
8438.10.00	169	mass automatic mixing machines for making flour tortillas with processing ca
8438.10.00	170	prensadoras flour tortilla machine with a production capacity of 36 tortillas p
8438.10.00	171	Fermentation chambers for pasta flour tortilla with a production capacity of 4
8438.50.00	29	Grampeadoras automatic machines for closing embedded, double stapling dia
8438.50.00	186	Combinations of machines for separating half of chicken parts (top) to the ca
8438.50.00	190	double Grampeadoras automatic or semiautomatic Electropneumatic for clipp
8438.50.00	214	Machines for final inspection of birds with 20 units with two serrated edge tu
8438.50.00	218	Computer equipment for high performance slicers cold sausages and cheeses.
8438.50.00	219	double Grampeadoras automatic Electropneumatic for clipping flexible natur
8438.50.00	223	Equipment for cutting, mixing, and emulsify various meat products, provided
8438.50.00	225	Machines for forming nuggets, hamburgers and chicken steaks or meat by tur
8438.50.00	232	Machine pig skin remover cuts adjustable automatic mode to manual mode w
8438.50.00	233	Computer equipment for high performance slicers cold sausages and cheeses.
8438.50.00	270	Machines for cutting into cubes or strips of frozen meat products in blocks w
8438.80.90	38	Computer slicers high-performance machines for cold, sausages and cheese, v
8438.80.90	82	continuing to cool mixture of 50% soy and 50% corn equipment, sauce manu
8438.90.00	1	Rollers for use in machine porcionar or forming mass or whole muscle of red
8439.10.30	8	autopressurizadas shredding for producing fibers from wood chips with conic

8439.10.30	11	Grinders self-pressurized for the production of fibers from hardwood chips (
8439.30.30	1	Heads automatic inverters for the manufacture of corrugated cardboard, with
8439.30.90	41	Machines for finishing digitally printed materials, such as tags and labels, wo
8439.91.00	1	cylindrical sieves (sieve baskets), with cylindrical or tapered bore diameter eq
8439.91.00	4	Segments (circle sectors with bars and slots) for refiners discs (shredders) of
8439.91.00	13	Blankets extended shoe-type roll for the production of pulp and paper, manuf
8439.99.90	24	Rolls variable camber (bending compensation), hydraulically actuated with o
8439.99.90	25	Rollers or guides openers manufactured in carbon fiber with rubber coating o
8440.10.90	9	Automatic machine for stapling and cutting trilateral magazines and books, w
8440.10.90	10	Machines for square spine binders for the production of books with a thickne
8440.10.90	17	forming hard cover books machines, comprising card supply units, power lin
8440.10.90	35	Combinations machines for hardcover formation and placement of inner liner
8440.10.90	53	machine combinations for the manufacture of hardcover books, with numeric
8440.10.90	55	Machine for the automatic collation through tower system, stapling and cuttir
8440.10.90	65	Machine for gluing in hardcover books brains previously made with a maxim
8441.10.90	22	Automatic labels and cutting labels by troquelagem containing transport unit
8441.10.90	78	Automatic cutting by troquelagem, for cutting flat or recessed aluminum tops
8441.10.90	79	Cutting tape cutting acrylic foam tapes or polyurethane 0.2 to 3.5 mm thick p
8441.30.90	44	grooves forming machinery (creases) in cardboard plates, operating at peak c
8441.30.90	51	Machine tools for bending application and glue paper and paperboard, provid
8441.30.90	58	Combinations of machines for the manufacture of corrugated cardboard boxe
8441.40.00	27	Machines for molding molds of paper and cardboard, for various cakes (type
8441.80.00	85	Automatic machines with cutting head mounted on movable portico drive sys
8441.80.00	93	Machine for cutting and creasing sheet of paper and corrugated cardboard, w
8442.30.10	4	Machines for sheet metal exposure for printing "offset", direct from the comp
8442.30.10	7	engraving machines laser plates for flexographic printing, with or without dat
8442.50.00	5	Screens eletroformadas, 100% nickel, nonwoven, for use in modular units of
8443.11.90	4	printing machines, rotary, "offset", fed by coils, with or without dryer, imprin
8443.11.90	5	printing units "offset" for use in rotating machines fed by coils with system "t
8443.11.90	10	Combinations machines stamping process synthetic polyurethane laminates c
8443.11.90	11	Combinations of machines for printing on synthetic process with polyurethan
8443.13.29	11	Printers "offset" fed by maximum size sheets of less than 37.5 x 51cm, for on
8443.13.90	2	Printers "offset" fed by maximum size sheets of less than 37.5 x 51cm, for on
8443.13.90	7	Printers fed offset by maximum size sheet than or equal to 37 x 52cm, for one
8443.13.90	13	offset printers fed by sheets of maximum size equal to or exceeding 370 x 52
8443.13.90	42	Printers "offset" fed by maximum size sheets of less than 37.5 x 51cm, for on
8443.16.00	3	flexographic printing machines / encografica rotary cylinder by means of silic
8443.16.00	26	printing machines flexographic with core granite, with or without screen prin
8443.16.00	34	central drum flexographic printers machines with up to 8 color groups, for pr
8443.19.10	6	Printing units silk-screen suitable for operation in label printing machines and
8443.19.90	17	printing rotary machines ionográfico or digital process, fed by sheet or coil, v
8443.19.90	26	Machines printers for recording labels or flexible packaging, for term transfe
8443.19.90	131	Machines for digital printing on cylindrical plastic tubes with a diameter of 2
8443.19.90	132	Rotogravure Printers maximum work speed of up to 350m / min, and printing
8443.31.11	6	multifunction printers with printing capacity in sizes up to A3 + (32,9 x 48,3c
8443.32.31	2	printing machines by piezoelectric system inkjet for photos, powered by coils
8443.32.31	5	Inkjet printers, quality photo printing, working with 6 colors (cyan, light cyar
8443.32.31	6	Inkjet printers, working with four colors (cyan, magenta, yellow and black) p
8443.32.31	7	Inkjet printers, quality photo printing, working with 6 colors (cyan, light cyar
8443.32.99	2	printing machines for dye sublimation system through both ribbons coils col
8443.32.99	4	Automatic equipment for printing and labeling of sample tube bar codes for c

8443.32.99	7	plastic card printing machines (PVC, PETG, PET, ABS and polycarbonate, a
8443.32.99	9	Thermal transfer equipment used for printing plastic cards (PVC or coated w
8443.32.99	10	end equipment transfer used for printing plastic cards (PVC or coated with P
8443.39.10	14	inkjet printing machines with cumulative functions or not to schedule, code, c
8443.39.10	27	digital printing machines piezolétrica inkjet, with 4 or more microimpresso
8443.39.10	145	digital printing machines for inkjet with U.V. healing and piezoelectric printh
8443.39.10	146	printing machines piezoelectric inkjet UV curing process using print system 4
8443.39.10	148	Machines for temporary printing markings on ophthalmic lenses, through ink
8443.39.10	154	high speed industrial printers and high-volume printing in color or black and
8443.39.10	156	high speed industrial printers and high-volume printing in color for paper roll
8443.39.10	177	printing machines piezoelectric inkjet, operating with a minimum of 04 and n
8443.39.10	182	digital printing machines for inkjet curing UV and heads of piezoelectric prin
8443.39.10	183	digital printing machines for inkjet curing U.V.ou LED and piezoelectric prin
8443.39.10	185	large format printers with high resolution and quality photo printing with a w
8443.39.10	187	Digital printing machines inkjet printer with the resolution 720 x 1.440dpi or
8443.39.10	188	large format printers with high resolution and quality photo printing with sup
8443.39.10	238	digital textile printing machines with printing technology by inkjet with basec
8443.39.10	239	printing machines piezoelectric inkjet, with a maximum print speed of 33m <sup>2</sup> /
8443.39.10	240	digital printing machines for inkjet curing U.V. - LED and piezo print heads
8443.91.99	6	Machines for creasing and shred cardboard, suitable for operating coupled w
8443.91.99	8	Creasing machines, boring and shred cardboard, suitable for operating couple
8443.91.99	15	transport machines, counting, stacking, pressing, and offsetting printing roll,
8443.91.99	26	Tedders automatic paper batteries for the same sheet formats or higher at 540
8443.91.99	46	insertar machinery and / or various superimposed inserts in books, magazines
8443.91.99	52	Semiautomatic machine for forming rolls of bars printed by pressing and enci
8443.91.99	54	Equipment for curing UV LED inks on rotary flexographic printers, through t
8443.91.99	62	printed rolls desintercaladoras machines with maximum transport speed of 85
8443.99.29	2	Subsets support the print engine of ink cartridges for ink jet, made of injected
8443.99.41	1	print engines by thermal direct method with useful width of 48 mm, used in te
8446.10.90	1	FLAT BED KNITTING MACHINES for the manufacture of rigid and elastic
8446.21.00	3	Looms circular for the manufacture of polypropylene yarn fabric, operating a
8450.90.10	10	electronic control modules and interface for the user, for automatic washing r
8450.90.10	11	Integrated control panels and control functions for users, for use in a washing
8450.90.10	12	Opening and closing device for the exclusive use in washing machines capaci
8450.90.10	13	Counterweights for balancing of washing machine tube made of injected plas
8450.90.10	14	top covers for exclusive use in washing front-loading clothes machine enclos
8451.80.00	68	textile steaming machines and / or polymerization flat woven or patterned ho
8453.10.90	2	Continuous automatic machines for drilling wide leather exceeding 550mm, v
8453.10.90	36	Sanders leathers and / or skins with variable speed transport roller with clear
8453.10.90	38	Machines for removing post hides and / or skins, with clear width exceeding
8453.10.90	45	Hydraulic machines rebaixadeiras of hides or skins, with useful working widt
8453.10.90	46	hydraulic rotary machines for polishing and smoothing hides or skins, with cy
8453.10.90	80	Hydraulic machines combined to dry and stretch leather with useful working
8453.10.90	83	Machines to lower skins and hides with useful working width less than 3,000
8453.10.90	84	Machine for softening leather wet or dry, with a useful working width of at m
8453.10.90	95	Combinations of machines for continuous polishing laminated with synthetic
8454.30.10	36	Combinations machines for casting non-ferrous metals (aluminum), compose
8454.30.10	44	Machine for pressure casting of non-ferrous metals horizontal, cold chamber
8455.21.90	24	Laminators flat steel bar ends, the hot rolled to bars with a length between 50
8456.11.19	10	Machines for laser cutting of tubes and metal sheets with thickness between 3
8456.11.90	13	Combinations of machines for laser cutting and punching electric servo; at sp

8456.30.19	6	Machine tools for cutting, electro-discharge the wire, metal parts immersed in
8456.40.00	1	Machines for marking ophthalmic lenses by removing the anti-reflective layer
8456.50.00	2	cutting machines, jet d'pure water, with a nominal power of up to 400V / 60H
8457.10.00	304	Machining Centers for final finish rods for automotive engines, "spindles" hy
8457.10.00	305	Machining centers for roughing and semi-finishing of connecting rods for aut
8457.10.00	306	Machining centers such as "gantry" rotary table with tonnage capacity on the
8457.10.00	307	double column vertical machining centers, 3-axis, work table 2,100 x 1,400 n
8457.10.00	308	Universal machining centers, portal type, with numerical control (CNC) milli
8457.10.00	309	vertical machining centers of double column, type "Gantry" (porch) with num
8457.10.00	310	Universal machining centers, portal type, with numerical control (CNC) milli
8457.10.00	311	Vertical Machining Centers for machining head with dual landing gear of air
8457.10.00	312	Vertical Machining Centers with numerical control CNC, with table 600 x 40
8457.30.90	4	Multi-station equipment, type "transfer", for machining diameter pen tips bet
8457.30.90	5	multiple stations machine type "transfer" for machining pen tips with diamete
8458.11.99	4	Lathes horizontal, computerized numerical control (CNC), monofusos with m
8458.11.99	70	horizontal turning centers for metal parts with numerical control (CNC), for t
8458.11.99	74	horizontal automatic lathes, computerized numerical control (CNC), monofus
8458.11.99	119	Horizontal lathes with numerical control, for mounting on pit rails in for mac
8458.11.99	157	Double automatic lathes horizontal "spindle" (2 opposing concentric trees an
8458.11.99	158	horizontal CNC turning centers to the oval machining pistons, with a maximu
8458.19.90	1	horizontal, automatic lathes, PLC and HMI, proper and exclusive to machini
8458.91.00	71	vertical turning centers, twin screw, of numerical control (CNC), with polyme
8458.91.00	72	9 multitasking lathe axis with numerical control (CNC), the maximum speed
8460.12.00	4	double disc grinding, flat and parallel surfaces for grinding rods for automob
8460.12.00	5	Machines for grinding flat profiles, circular, concave and convex with device
8460.31.00	88	tool sharpening machines with five axes controlled by numerical control (CN
8460.31.00	159	Machine tool for producing and / or regrinding tools and inserts of polycrysta
8460.40.11	3	Automatic numerical control of machines for honing of cylinders 79mm diam
8460.40.11	4	automatic machines, numerically controlled, for honing 51mm diameter bear
8460.90.90	87	Machine combinations for the surface treatment of deburring, cleaning by vib
8460.90.90	88	parts deburring automatic machines in ferrous materials such as gray and nod
8460.90.90	89	Machine combinations for the surface treatment of deburring, cleaning by vib
8462.10.90	117	Combinations machines recording process by stamping metal strip with a thic
8462.21.00	199	Machine combinations for the automatic production of springs and bent piece
8462.21.00	223	Programmable control equipment for the manufacture of cores such as "wour
8462.39.90	10	Automatic machine for pre-forming (folding) and cut electrical capacitor term
8462.49.00	46	Combinations machines for expansion from sheet metal coils or sheets cut wi
8462.91.19	47	Hydraulic presses for terminal crimping hoses, with a sliding bearing in the p
8462.91.99	3	Combinations machines, with programmable logic controller (PLC), for man
8463.90.10	108	Rotary Tables 6 workstation for cracking rods for automobile engines to clea
8464.10.00	33	multiwire steel equipment in eletrossoldada structure for sawing blocks of na
8464.10.00	38	Machines for cutting natural stone, of the type used in esquadramento block
8464.20.10	12	Machines Automatic polishing machines, controlled by numerical control (C
8464.20.90	15	sizing machines for ceramic tiles, composed of 8 or 10 gauges fixed horizont
8464.90.19	96	Devices for centering and blocar ophthalmic lenses, properly positioning itse
8464.90.19	98	Automatic machine tools for beveling, trimming and end glass ophthalmic ler
8464.90.19	99	Automatic machine tools for beveling, trimming and end glass ophthalmic ler
8464.90.19	100	Automatic machine tools for bevel plastic ophthalmic lenses with numerical c
8464.90.19	145	curve generating equipment, computer-controlled ophthalmic lens diameters
8465.10.00	32	Flexible multiple drilling centers of wood panels with numerical control (CN
8465.20.00	3	Machine tools for woodworking, with numerical control (CNC), milling, saw



8465.91.10	5	Endless band saws for cutting wood and curves of various parts, with interpo
8465.92.11	1	Machine multiple stations for milling and sanding wooden narrow parts on bo
8465.99.00	28	Combinations of machines for wood chip washing, with a capacity exceeding
8465.99.00	33	Machine tool for working wood, with numerical control (CNC) capable of dr
8465.99.00	46	Machine tools for woodworking, with numerical control (CNC) for drilling, r
8465.99.00	47	Machine tool for working wood, gantry with numerical control (CNC) capabl
8465.99.00	93	Cepilhadores antagonistic rotating ring with vibratory feeder, a rotary magnet
8465.99.00	129	Automatic machines for drilling, milling or sawing solid wood, MDF or parti
8466.10.00	6	toolholders tower for use of activated or fixed tool holder in the radial or axia
8466.93.20	4	linear ball or roller guides, used in machining centers, to promote themselves
8466.93.30	9	clamping cylinders, passing, hydraulic, suitable for plates and clamps of fixing
8466.93.30	18	clamping plates 3 nuts with passage bar, actuated by radial movement of bloc
8468.20.00	1	Semi-automatic cutting machines for ferrous material (forged) by the heating
8471.50.10	1	Data processing units for the exclusive handling of radiographic and mammo
8471.70.12	1	Hard drives, with one head set-disc (HDA "Head Disk Assembly"), with SAT
8471.70.12	3	Hard drives, with one head set-disc (HDA "Head Disk Assembly") and SCSI
8471.80.00	3	digital processing units dedicated to embedded operation, OBCU ( "On-Boar
8471.80.00	12	Units for industrial processing machinery data, which may have 0 to 16 input
8471.80.00	13	Units processing machine of industrial data type analog modules input for acc
8471.80.00	14	Units processing machine of industrial data type analog modules entry therm
8471.90.90	5	automated gates for border control "e-Gates" for the purpose of speeding up a
8473.29.90	4	Keyboards mounted portable electronic payment terminals (POS) with numer
8473.29.90	5	Shielding metal against electromagnetic interference (EMI) and / or radio fre
8473.29.90	6	Steel portable electronic payment terminal holders (pos) obtained from sheets
8474.10.00	4	Screens high frequency vibrating linear motion with long by 4.879mm 4.371m
8474.10.00	28	self-propelled mobile screens for surface mining classification mounted on cr
8474.20.90	5	Mobile crusher for surface ores, self-propelled, displacing crawler system wit
8474.20.90	13	Crusher double cylindrical toothed roller high pressure, low speed and high to
8474.20.90	36	mobile crushers horizontal displacement of metal tracks, self-propelled, powe
8474.20.90	44	Mobile crusher for surface ores, self-propelled, displacing crawler system wit
8474.20.90	78	Combinations of machines for primary crushing of ore, with nominal product
8474.20.90	128	Mills trapezoidal rollers provided with: main body 4 with rolls 460mm diame
8474.80.10	45	blow cores, automatic machines for the manufacturing process of inorganic m
8474.80.90	120	Combinations of machines for preparing and mixing sand, automatic, for the
8474.80.90	121	for the production of hydraulic presses ceramic coatings with maximum press
8474.90.00	10	System Triggering ball mills, type "gearless", electric room dedicated superv
8475.29.10	62	Equipment for hot molding for the production of glass bottles with 12 section
8477.10.19	35	Machines for injection molding plastic parts, injection horizontal being provi
8477.10.91	15	vertical vulcanizing machines for injection of elastomeric parts, with or witho
8477.10.99	65	fast cycle injection molding for manufacturing plastic pieces thin wall, 500t h
8477.20.10	197	Combinations of machines for the production of drip irrigation hoses, Polyeth
8477.20.10	198	Extruders for thermoplastic materials with double corotating screw nominal d
8477.59.11	19	Hydraulic presses for curing tire bead with a maximum diameter greater than
8477.59.11	20	machines type B.O.M. to vulcanize tires, vulcanization with capacity of betw
8477.80.90	303	Equipment for the application of rubbery strips of steel wires at the ends of th
8477.80.90	311	Equipment vacuum for laminar blocks or sheets of EVA and rubber, in a cont
8477.80.90	332	semi-automatic machines for making subsets internal carcasses of green tires
8477.80.90	333	Semiautomatic machines combinations for making green tires (semi-finished
8477.80.90	353	Automatic machines with programmable logic controller (PLC), for the produ
8477.80.90	414	Machine for cutting and folding the band safety seal diameter 25 to 38mm pla
8477.80.90	415	Combinations of automated machines for the production of strips, composed

8477.80.90	416	Machines for the production of flexible bags from laminated plastics film and
8477.80.90	417	Machines for flexible bag production such as "stand-up pouches" from lamin
8477.80.90	418	Combinations of automatic machines for the manufacture of dentifrices packa
8477.80.90	419	Combinations of cutting machines for rubber profiles used in the construction
8477.80.90	420	Combinations of machines for cutting textile canvas straps and cauchutada in
8477.80.90	421	Automatic equipment for cutting sections of tires of samples with dimensions
8477.80.90	422	Functional units for frothing tank, headboards and sleepers lines of display ar
8477.90.00	400	planar arrays, automatic, suitable for extrusion feed block with 7 layers, with
8479.10.10	14	Self-propelled paver with movement of massive rubber mats; silo receiving m
8479.10.90	12	rotating stabilization equipment, recovery or mixture of soil and recycling or
8479.10.90	46	Machines for concrete leveling with laser technology, with 4-cylinder diesel e
8479.30.00	5	continuing for pre-compressing fiber mats and / or wood particles machines, (
8479.30.00	9	Machines for continuous formation of mattresses fibers or particles of wood g
8479.30.00	30	Machines for continuous formation of fiber mattresses or glued wood particle
8479.30.00	31	Hydraulic press for continuous production of plates glued wood fibers or part
8479.30.00	32	Presses for producing hard wood pellets "hardwood" with die diameter of 40
8479.50.00	27	Industrial robots mechanical arm made with orbital motions of 3 or more deg
8479.50.00	424	lubrication machine inside of "green" tires for passenger vehicles with roboti
8479.81.90	75	Machines for cutting and stripping electric cables and wires with outer diame
8479.81.90	112	horizontal wire winding machines reels out the cleaning and heat treatment in
8479.81.90	113	For metal working machines, lubrication and drying stainless steel wire, woun
8479.81.90	114	Machines for treatment of metals, cleansing of stainless steel wire in alkaline
8479.81.90	115	Machines for treating metal, stainless steel for wire lubrication solution at 85
8479.81.90	116	Machines for recovery of silkscreen printing formes, with the removal of was
8479.81.90	425	Roll-forming machines with anti-twist system with double winding for catego
8479.82.10	137	Machine combinations for mixing with complementary functions of homogen
8479.82.10	159	Mixers 316L stainless steel for the production of silicone oils and dispersions
8479.82.10	160	Combinations of machines for mixing, granulation and mixing of pharmaceut
8479.82.10	161	Machine combinations for mixing and homogenization of raw material in the
8479.82.90	30	Machine for classification of fibers or wood particles by fluidizing with fan c
8479.82.90	73	Screens oscillatory 3 "decks" to separate wood particles in the following was
8479.82.90	97	Machines used in the separation of various materials by analysis, combined o
8479.82.90	137	Combinations of machines for fibers or wood particles classification by fluid
8479.89.11	90	vertical automatic presses soap weighing 55 to 200g, with stamping between
8479.89.11	91	Compaction rolls for dry granulation processes for direct compression of soli
8479.89.11	92	Rotary compressor automatic machines for the manufacture of pharmaceutica
8479.89.11	93	Mechanical presses for compacting powders and granulates for the manufact
8479.89.12	65	Machines for continuous dosing of wood particles in the drying process input
8479.89.12	80	Metering equipment ingredients, automatic, for dosing ingredients in ice crea
8479.89.12	94	Machines for nodularisation and irons inoculation fused by the addition of co
8479.89.12	95	extracting equipment / fiber feeders, wood chips and particles for making rec
8479.89.99	8	Equipment for maintenance of ball mill, responsible for transport and positio
8479.89.99	9	Extractors coatings and coatings screws of ball mills based on pneumatic imp
8479.89.99	97	Machines for processing electrical cables and wires, cut at the required length
8479.89.99	212	Machines for the assembly of markers, mechanical drive and pneumatic to ele
8479.89.99	213	Machines for the assembly of ballpoint pens, mechanical drive and pneumatic
8479.89.99	214	vertical machines for mechanical pencils assembly, mechanical drive and pne
8479.89.99	215	Machines for assembling felt pens, mechanical drive and pneumatic to electri
8479.89.99	218	Automatic machines for extrusion, molding, filling and sealing plastic contain
8479.89.99	219	Machines for stacking sheets for motorcycles batteries with high capacity pla
8479.89.99	240	Equipment for the assembly of aluminum electrolytic capacitors, equipped wi

8479.89.99	241	Equipment for pre-assembly of aluminum electrolytic capacitors, equipped w
8479.89.99	251	Automatic machines encasement (pressing) of surgical needles in only one su
8479.89.99	252	buffer sets ( 'plug' ) double endowed buffer ( 'plug' ) of top cap ( 'plug " ) of t
8479.89.99	253	Machinery for coating textile product and pallet for the transport of metallic r
8479.89.99	254	Automatic to transport equipment and stacking plates and lead grids calcium
8479.89.99	255	Machines for mechanical mounting of 2 parts plastic lids (nozzle and cap), pr
8479.89.99	256	Semiautomatic machine for making biodegradable substrate pots with substr
8479.89.99	257	automatic washing machines, decarbonise and sterilize cars and non-ceramic
8479.89.99	258	automatic machines to complement and electrolyte solution for leveling autor
8479.89.99	259	mounting benches and set control servo rotary table 5 stages, to close the serv
8479.89.99	260	Machines for unwinding cotton strips in rolls, for up to three rolls with a max
8479.89.99	261	Equipment for flow control, and lubricating oil temperature and the internal c
8479.89.99	262	automatic formation of lead acid batteries by immersion in a water bath equip
8479.89.99	263	Equipment for siliconizing hypodermic needles, provided with: racks for need
8479.89.99	264	Automatic modular equipment inoculation and planting liquid biological sam
8479.89.99	265	sodium automatic insertion machines for hollow valve for internal combustio
8479.89.99	266	Machines for inserting measures or powder dispensing containers, with main
8479.89.99	267	flour tortilla inspection visual systems capability to inspect 150 mass units pe
8479.89.99	268	Automatic machines for decorative coatings on surfaces of metal fittings, vac
8479.89.99	269	machines for final assembly Combinations of plastic caps on the valve camsh
8479.89.99	270	hydrometers automatic assembly machines (peephole) in automotive batteries
8479.89.99	271	automatic filling machines sulfuric acid solution in lead-acid batteries models
8479.89.99	272	Tunnels continuous washing and machine drying automotive batteries and tru
8479.89.99	273	tubular devices for rolling and unrolling curtains, blinds or awnings, with nor
8479.89.99	274	Equipment for retrieving, storing and reusing helium gas with electric power
8479.89.99	275	The equipment for performing vacuum pressurize measure the volume, flow a
8479.89.99	294	Automatic machines for winding electrical capacitors, with a maximum wind
8479.89.99	296	Automatic assembly for electrical capacitors machines with maximum produc
8479.89.99	317	Automatic machine to fix by gluing, straws bagged in packaging carton with
8479.89.99	348	Machines for preparing blood slides (swab) for use in hematological account
8479.89.99	757	anti risk varnish deposition equipment in ophthalmic lenses, heated by immer
8479.89.99	770	clipping machines with handling bars adjustable in height, for use in applying
8479.89.99	835	Machines for control by numerical control and panel "touchscreen" 15 "ergon
8479.89.99	843	Machines for opening and closing gates of different types in bulk wagons, ele
8479.89.99	864	Machines for control by numerical control and panel "touchscreen" 15 inch e
8479.90.90	3	Stainless steel belts, for exclusive use in continuous presses, for the manufact
8479.90.90	37	Pendant bottoming stop caps (plugs) of the dual pad assembly for cementing
8480.71.00	45	Molds for use in high pressure injection wells 64, made of special steel and in
8480.71.00	62	Flanks molds targeted for tire vulcanization for agricultural use and / or off-ro
8480.71.00	94	Sets of molds for use in high-pressure injection with 1-2 cavities, made of spe
8480.71.00	120	Plates comprise male pins and lock-rings, 72 to 144 positions and distance be
8480.71.00	121	Molds with a maximum error tolerance and 0,005mm minimum efficiency of
8480.71.00	122	Molds for use in compression molding machine with carousel for 32 cavities
8480.71.00	123	Mold cavities 128 (cold half) 84H x 50V for injection preforms of polyethyle
8481.20.90	15	Shut-off valves double rotating disc for bulk material, ashes, sand or cement,
8481.20.90	16	Pneumatic valves exclusive vacuo to industrial machinery manufacturer of pa
8481.20.90	38	directional control valves (DCV) electro-hydraulic 3-way and 2-position, stai
8481.80.39	5	Kits for use compressed natural gas (CNG) for managing the flow of gas engi
8483.40.10	62	Reversers a reduction of 1,964: 1, 7 ° angle downwards direct mounting for e
8483.40.10	63	Reversers a reduction of 1,767: 1, 7 ° angle downwards direct mounting for e
8483.40.10	64	Reversers a reduction of 1,964: 1, 7 ° angle downwards direct mounting for e

8483.40.10	65	Reversers a reduction of 2,478: 1, 7° angle downward with direct mounting for
8483.40.10	103	Reversers a reduction of 2,037: 1, full V-mount direct drive with angle of 14°
8483.40.10	104	Reversers a reduction of 1,962: 1, with direct mounting angle angled 8° for en
8483.40.10	105	Reversers a reduction of 2,008: 1, full V-mount direct drive with angle of 12°
8483.40.10	106	Reversers a reduction of 2,037: 1, with direct mounting angle angled 7° for en
8483.40.10	107	Reversers a reduction of 2,000: 1, with direct mounting angle angled 7° for en
8483.40.10	108	Reversers a reduction of 2,208: 1, with direct mounting angle angled 7° for en
8483.40.10	109	Reversers a reduction of 2,322: 1, full V-mount direct drive with angle of 14°
8483.40.10	113	Transmissions of the type "tail" for use in vessels, hydraulically actuated vert
8483.40.10	114	Broadcasts of the "tail" for use in vessels with hydraulically actuated vertical
8483.40.10	115	Transmissions of the type "tail" for use in vessels with hydraulically actuated
8483.40.10	116	Transmissions of the type "tail" for use in vessels with vertical tilting system
8483.40.10	175	2-speed gearboxes with planetary gears, with reductions of 1: 1 to 1: 4 or 1: 1
8483.40.10	176	Gear Boxes for multiplication rotation and torque transmission for applicatio
8483.40.10	177	Gear boxes for multiplication of rotation and torque transmission, for use in v
8483.40.10	180	Reversers with reduction 1.97: 1 forward and aft; and the nominal ratio of 2:
8483.40.10	181	Reversers real reduction 3.95: 1 and a nominal ratio of 4: 1 for coupling dies
8483.40.10	182	Reversers actual reduction to 4.11: 1 and a nominal ratio of 4: 1 for coupling
8483.40.10	183	Reversers actual reduction to 3.04: 1, and nominal ratio 3: 1 for coupling dies
8483.40.10	184	Reversers actual reduction to 3.95: 1 and a nominal ratio of 4: 1 for coupling
8483.40.10	187	Reversers actual reduction to 5.06: 1 and a nominal ratio of 5: 1 for coupling
8483.40.10	188	Reversers actual reduction to 3.04: 1 and a nominal ratio of 3: 1 for coupling
8483.40.90	22	gearing for torque transmission ball mill for cement grinding, made of steel w
8483.40.90	24	gear sets by one crown and provided with two pinions accuracy class DIN 39
8483.90.00	24	Ball spindle rolled bars threaded in Gothic profile, steel Cf53 medium carbon
8501.52.90	1	Motofusos for machining of ferrous and nonferrous products tool holder char
8502.13.19	19	Power generators with power between 4,000 and 5.000kVA mounted on a ho
8502.40.90	1	Systems kinetic energy converters in power uninterrupted and rotary type (U
8503.00.90	10	Rotor torque motor, synchronous or asynchronous with power ratings betwee
8503.00.90	11	Stators torque motor, synchronous or asynchronous, with water cooling with
8504.40.90	8	Inverter frequency, integrated between power voltage 400 (-20%) 480 (+ 10%
8504.90.30	2	Cylinder body potential with aluminum and paper insulation, to reduce the pr
8504.90.30	3	Capacitive aluminum tubes with insulating paper and aluminum foil, to reduc
8514.10.10	77	Oven heat treatment (annealing) for up to 16 wire lines simultaneously, at a te
8514.10.10	78	Combinations machines for heat treatment by a continuous process, carbon st
8514.10.10	79	Horizontal ovens indirectly heated by electrical resistance to temper glass wit
8514.10.10	80	ovens with horizontal air circulation system for tempering glass with a thickn
8514.30.11	3	degassing automated furnaces for the treatment of special gas cylinder with h
8515.21.00	156	Machine combinations for resistance welding, the top of short rail track (6 12
8515.31.90	3	Operating equipment pins welding, using the ignition process by remoteness
8515.39.00	2	manually operated equipment pins welding, using the ignition process by rem
8515.80.90	12	Machines for welding electrical capacitors with maximum production rate eq
8515.80.90	24	Machine for welding / sealing and cutting copper tubes with ultrasonic weldin
8515.80.90	91	Laser additive manufacturing machines for manufacturing metal parts in 3D f
8515.80.90	92	electronic welding machines, by melting, for the production of PVC frames, v
8515.90.00	2	Automatic Welding tongs, direct action or indirect, with or without joint, ope
8517.62.11	1	universal data recorders used in development activities and electronic control
8517.62.39	4	Interface electronic modules with thermocouples, 8-channel, measuring / acq
8517.62.41	1	robust routers for harsh environments with support for the following protocol
8517.62.59	9	DDoS attacks cleaning equipment with countermeasures carrying capacity of
8517.62.59	17	Equipment for video content distribution for TV and Internet, with a minimu

8517.62.59	18	videoconferencing endpoints, telepresence technology, high definition, and m
8517.62.59	22	electronic modules with own terminals for soldering in printed circuit board u
8517.62.59	23	electronics, interchangeable modules via plug connector fast, used to convert
8517.62.59	25	Equipment for data traffic optimization through the TCP (Transmission Cont
8517.62.59	27	Electronic modules for converting electrical signals into optical and vice vers
8517.62.59	29	interchangeable electronic modules for converting electrical signals into optic
8517.62.59	37	traffic analysis equipment (flows) of "backbones" of the Internet, non-intrusiv
8517.62.77	1	data communication modules for WLAN applications (compatible with the IEEE
8517.62.91	8	high power amplifiers (HPA), the wave tube in Ka-band outdoor use, with pe
8517.62.94	1	RF gateways able to aggregate multiple sources of data / video signal and pro
8517.70.10	1	Printed circuit boards with audio components and / or video and / or sensing,
8517.70.10	6	Flexible printed circuit boards mounted with connecting components and / or
8517.70.99	3	Accommodation front mounted display "OLED" or other technologies, and n
8517.70.99	4	Silicone keyboards, with or without screen printing, with carbon contact, use
8517.70.99	5	image capture module handsets mobile phone with optical and electronic resc
8517.70.99	6	active matrix displays with technology of organic light-emitting diode (AMO
8517.70.99	7	Subsets own mobile phone portable terminal mounted with LCD displays, OL
8517.70.99	8	Modules assembled with LCD liquid crystal display, OLED or other technolo
8517.70.99	9	Touchscreens "touchscreen" obtained from the transparent thin film technolo
8517.70.99	10	rear portable terminals cellular subsets, assembled with plastic and / or metal
8517.70.99	11	Metal shields and for mechanical protection against electromagnetic interfere
8528.52.10	1	exclusive use of monochrome monitors in the medical field, high-resolution I
8528.52.20	1	colored exclusive use in the medical field monitors, high resolution 1-12 meg
8530.10.10	15	Axle counters to control railways, formed by drawers (racks) cards with micr
8530.10.90	16	alert mobile radio systems approaching trains, for distances ranging settings b
8532.24.10	2	electrical condensers (capacitors) multilayer, fixed, dielectric ceramic SMD (
8532.24.10	3	fixed electrical capacitors with nominal voltages equal to or greater than 4V d
8534.00.40	1	Flexible Printed circuits, double-sided, with an insulating polymer or epoxy r
8534.00.59	1	Circuits rigid-flexible printed multilayer with an insulating polymer or epoxy
8536.50.90	4	electromechanical devices to lock the washer door opening centrifugation clo
8536.50.90	6	electrical switches miniature mechanical type ( "Push Button") with unipolar
8536.90.40	4	electrical connectors for mounting on printed circuit board, the USB receptac
8536.90.40	7	Connectors or sockets miniature multi-way, suitable for mounting on a printe
8536.90.40	8	electrical connectors terminal type or coaxial contact for mounting on printed
8536.90.40	9	Connectors modular type female RJ (Registered Jack), individual or groups, v
8536.90.40	10	individual or grouped connectors, with or without metal shield with the funct
8536.90.40	11	Connectors HM type (hard metric) suitable for high-speed data signal traffic (
8536.90.40	12	Connectors trapezoidal type DB, male or female, for printed circuit board ass
8536.90.40	13	Connector sockets for memory sticks connection DRAM DIMM (Dual Inline
8536.90.40	15	Connectors miniature electric sockets for printed circuit board, with copper a
8541.60.10	1	Resonators quartz oscillators or piezoelectric crystal, mounted, suitable for a
8541.60.90	2	RF signal filters with piezoelectric crystals, mounted, suitable for surface mo
8541.60.90	3	Resonators quartz oscillator or piezoelectric crystal, mounted, miniature type
8541.60.90	4	Resonators or oscillators or ceramic piezoelectric crystal of quartz, mounted
8541.60.90	5	Resonators or oscillators or ceramic piezoelectric crystal of quartz, mounted
8542.33.19	1	electronic integrated circuit amplifiers, hybrid thick film technology, suitable
8542.39.19	3	electronic integrated circuits, hybrids obtained with thick film technology, su
8543.70.99	122	Electrical apparatus for generating electromagnetic waves which order the fld
8544.70.90	2	Fiber optic cables provided with FBG type sensors (fiber Bragg grating), with
8602.10.00	4	diesel-electric locomotives of 6 axles, with maximum gross output exceeding
8604.00.90	33	regulatory machinery for distributing ballast and railway lines races, with die

8604.00.90	53	Rail cranes, self-propelled rail, driven by water-cooled diesel engine, with a r
8604.00.90	59	ballast regulators and distribution equipment for railways equipped with wate
8604.00.90	60	continuous action machines for leveling, aligning, lifting and sleepers punch
8604.00.90	61	continuous action machines for leveling, aligning, lifting and sleepers punch
8605.00.10	1	Cars (wagons) for transport executive and economy class passengers, for incor
8605.00.10	2	Cars (wagons) for passengers with special needs and their companions, for in
8605.00.90	3	Cars (wagons) adapted for special snack service to passengers, for incorporat
8605.00.90	4	Cars (wagons) special adapted for restaurant service to passengers for incorp
8605.00.90	5	Cars (wagons) special rack type, for incorporation into the composition of pa
8605.00.90	6	Cars (wagons) electric generator for incorporation in train composition pulled
8608.00.12	8	electromechanical devices for control of railroad train routes (key machines)
8608.00.90	10	Systems APS (ground by the food) for urban transport comprise: tracks for ra
8608.00.90	24	defect detection system on wheels, load distribution and dynamic weighing o
8608.00.90	25	low temperature sensing devices in the brake discs and wheels of railway veh
8608.00.90	26	detection of high temperatures in the brakes of devices wheels and discs of ra
8608.00.90	27	detection apparatus of high temperatures in railway wheel bearings and bearin
8701.30.00	1	skidders type "feller buncher," crawler used for logging, with engine power u
8701.30.00	4	self-propelled tracked machines for felling, delimiting and trimming of logs, t
8701.30.00	12	Rubber crawler tractors driven by diesel engine with a gross power greater th
8701.95.90	2	Agricultural tractor with central articulation, diesel engine provided with pow
8701.95.90	3	articulated forest tractors on wheels for wood logs nearby transport, with or v
8701.95.90	5	skidders type "feller buncher" on wheels, with articulated chassis, used for lo
8704.10.90	14	Trucks "dump" designed to be used off-road, understood nominal payload ca
8704.10.90	16	"Dumpers" relegated to underground mines, with articulated chassis, traction
8704.10.90	24	Dumper lowered for underground mining, with a hinged chassis 4 x 4 traction
8704.10.90	30	Trucks lowered for underground mines with articulated frame near the middle
8704.10.90	31	Trucks lowered for underground mines with articulated frame near the middle
8704.10.90	42	off-road trucks with operating weight of 43.100kg, gross power of 551kW at
8709.11.00	8	Vehicles self-propelled tugs, equipped with shock absorbers on wheels for op
8709.11.00	13	Movers vehicles like "ride-on" Battery-operated, to move cars inside the fact
8905.90.00	10	floating dry docks do not propelled pontoon type built on fixed sidewalls and
9007.20.90	1	digital film projectors with digital processing unit dedicated and definition le
9011.80.90	6	Surgical microscopes with motorized zoom system with factor 1: 6; provided
9013.20.00	15	Units lasers, solid state diode pumped, the synthetic crystal base (disc-shape)
9014.80.10	13	Multibeam echosounders high resolution bandwidth with 1x1 degrees beamw
9015.20.10	3	Theodolites electronics, with EDM incorporated electronic type (total station
9015.20.10	4	Electronic Theodolite with EDM incorporated electronic, such as "total static
9015.20.10	6	Theodolites electronics, with EDM incorporated electronic, such as "total sta
9015.20.10	7	electronics, with EDM incorporated electronic theodolites, type "Total station
9018.12.90	13	cardiac diagnostic system which processes, records and stores information on
9018.19.80	35	Generators for thermal fusion of arteries, veins and visceral structures, based
9018.19.80	36	Equipment for non-invasive monitoring and continuous electroencephalograph
9018.19.80	37	Disposable sensors electroencephalography (EEG) for direct application to th
9018.19.90	3	oximetry modules capable of providing readings plethysmography curve, pul
9018.20.90	3	Apparatus laser system 810nm with a maximum creep 100Joules / cm <sup>2</sup> with c
9018.20.90	6	Devices with a measuring melanin and laser system fractional wavelength 1.5
9018.20.90	10	Equipment for digital image projection of the vascular system, directly to the
9018.20.90	11	Apparatus system with laser wavelength of 1.064 or 532nm, with two kinds o
9018.50.90	6	Devices for measuring accuracy and visual screening for the examination of v
9018.50.90	16	Devices for ophthalmic surgery of the retina and vitreous body.
9018.50.90	31	distance meters monocular or bi for all distances ranging between infinity and

9018.50.90	52	Lasers ophthalmic procedures as photo-breaking ocular tissues, anterior and p
9018.50.90	53	computerized Campímetros for functional tests of identification, measurement
9018.50.90	54	Photo-coagulating for retinal photo-coagulation procedures, trabeculoplasty a
9018.90.10	1	microprocessor devices for extraction, circulation, separation and collection o
9018.90.10	6	Equipment for extraction, circulation, automatic separation and collection and
9018.90.10	25	Systems for processing whole blood, blood collected from the donor, separati
9018.90.40	1	artificial kidneys transmembrane controlling blood detector, volume control o
9019.10.00	1	Muscular electrostimulation equipment, comprising: central supporting / pede
9019.10.00	3	rehabilitation devices and strengthening exercises, with a control unit 15 to 1
9019.20.10	1	Oxygen concentrators for use in home medicine.
9019.20.10	16	bacterial and viral filters for patient ventilation and protection from contamin
9019.20.90	3	Continuous flow generator for the respiratory airways.
9022.14.19	1	Mobile apparatus for imaging by X-rays in surgical procedures, comprising n
9022.14.19	3	Mobile apparatus for imaging by X-ray surgical procedures, dismantled or as
9022.14.19	4	Mobile apparatus for imaging by X-rays in surgical procedures, comprising n
9022.14.19	6	Mobile apparatus for imaging by X-ray surgical procedures, dismantled or as
9022.14.19	7	furniture for acquisition and diagnostic imaging display systems for X-rays, s
9022.29.90	7	elementary real-time materials analyzers moved on conveyor belt based on PC
9022.29.90	8	elemental analysis in real time of materials handled in conveyor based PGNA
9022.90.11	2	High voltage generators for X-ray tubes for fixed and mobile nonintrusive ins
9022.90.12	1	phosphor plates designed to absorb electromagnetic wave energy emitted by r
9022.90.90	1	Laser printers for photo-thermal technology films for diagnostic images desig
9022.90.90	2	carbon fiber trays used in mammography equipment, made of epoxy resin and
9022.90.90	3	manual radiological collimators for coupling in X-ray equipment up to 150kV
9022.90.90	6	Panel detectors plans with amorphous silicon sensor, 14-bit, 40 to 150kV, sui
9022.90.90	10	Detectors for digital radiology system (DR) with amorphous silicon sensor 14
9022.90.90	11	Systems for digital radiography (DR) for adjustment in fixed X-ray machines
9022.90.90	28	data acquisition modules for X-ray detection systems, endowed by printed cir
9022.90.90	29	Systems of high-energy X-rays, throttle type of compact circular electron "Be
9024.80.90	33	non-destructive testing equipment for simulating surgical procedure and meas
9024.80.90	34	Torque rheometers for rheological characterization of polymer materials as a
9027.10.00	52	carbonic gas content meter (CO <sub>2</sub> ) by calculating the entropy optional for mea
9027.10.00	59	optical oxygen concentration meter dissolved in beer and beverages in genera
9027.10.00	60	oxygen content measuring devices dissolved (OD) and carbon dioxide dissolv
9027.10.00	106	precision equipment and configurable performance for individual analysis or
9027.10.00	107	soot concentration meters exhaust gas diluted in the dilution ratio DR = 20, m
9027.10.00	108	soot concentration meters exhaust gas diluted in the dilution ratio DR = 20, m
9027.10.00	109	Particle counters for measuring the concentration of non-volatile particles fro
9027.10.00	110	Portable equipment for O <sub>2</sub> analysis by paramagnetic sensor technology, with
9027.10.00	111	Equipment for O <sub>2</sub> analysis by paramagnetic sensor technology; cell pattern o
9027.10.00	112	leak detection equipment compatible with helium gas, to leak detection rate u
9027.30.19	12	MRI superconducting magnet Espetrômetros with 400MHz frequency, analyz
9027.30.19	22	Spectrometers near infrared (NIR with optical radiation IV)) by Fourier trans
9027.30.20	45	ultraviolet spectrophotometer, stainless steel, technology fourth beams (two r
9027.30.20	46	Equipment for measuring the reflection of ophthalmic lenses, provided clamp
9027.50.20	3	Apparatus for measuring, in urine samples, 10 or more parameters (density, p
9027.50.20	10	Machines for laboratory testing human serum by means of photometry with c
9027.50.20	44	and computerized automated analyzer for conducting biochemical assays of u
9027.50.20	61	Automated systems designed to perform the preparation of nucleic acid samp
9027.50.90	2	computerized analyzer to diagnose hemostatic disorders with four test channe
9027.50.90	64	Apparatus for biochemical analysis of physiological fluids by fotocolorimetri

9027.50.90	111	Automatic analyzers and computerized for molecular clinical diagnosis from
9027.50.90	112	Automatic analyzers for hemostasis assays of coagulation tests, chromogenic
9027.50.90	113	Analyzers for the determination of the basic parameters of the second stage of
9027.50.90	114	Automatic analyzers for measuring the erythrocyte sedimentation rate (EST)
9027.50.90	115	Automated coagulation analyzer with multiple forms of measurement based on
9027.80.20	42	Mass spectrometers detectors with dual source with orthogonal geometry, sin
9027.80.20	52	Gas chromatographs coupled to mass spectrometer, laptops with mass range 1
9027.80.99	22	Apparatus for automatic blood cell count with determination of red cells, plat
9027.80.99	51	fully automated hematology analyzer for counting and differentiation of bloo
9027.80.99	52	fully automated hematology analyzer for counting and differentiation of bloo
9027.80.99	55	automatic blood cell counting apparatus for analysis with sequential dual hyd
9027.80.99	78	and computerized automated analyzers random access hemostasis, capable of
9027.80.99	91	and computerized automated urinalysis analyzers capable of performing urine
9027.80.99	95	particle size analyzer (granulômetros) for dust and / or suspensions by laser d
9027.80.99	108	Hematologic counters up to 18 parameters, with differential in 3 portions (3 h
9027.80.99	109	Hematologic counters up to 34 parameters, by means of laser technology "M
9027.80.99	139	Portable apparatus for measuring glucose levels (D-glucose), B-ketone (B-hy
9027.80.99	209	Monitors for pasteurization control microorganisms contained in beer and be
9027.80.99	217	immunodiagnostic blood analyzers with amplified chemiluminescence detect
9027.80.99	238	probe electronic modules lambda oxygen sensor for measuring / acquisition a
9027.80.99	304	hematology analyzers with 60 amostras/hora performance, manual and autom
9027.80.99	305	Equipment for direct measurement with ion-selective electrode (ISE) membra
9027.80.99	306	Bench automatic apparatus for blood cell counting and hemoglobin measurem
9027.80.99	307	Apparatus for automatic bench blood cell counting and hemoglobin measurem
9030.33.90	11	Apparatus for monitoring power shortage with minimum operating voltage of
9030.33.90	12	Equipment for checking voltage, protection and capacitive reactance operatin
9030.89.90	8	machines for testing and selection of capacitors, with maximum operating spe
9031.10.00	95	Machines for balancing crankshafts, with PLC controlled via measurement co
9031.20.10	19	Seats for testing of mechanical and electronic components of the motor pulled
9031.20.10	21	Seats for cold sealing test of the water galleries and motor oil, provided with
9031.20.90	136	Dynamic Simulation banks exhausts vehicle, equipped with main table and tv
9031.20.90	137	Machines for the automotive suspension flexibility test and vehicle behavior
9031.20.90	138	Testbeds for functional testing of diesel electronic injectors for fuel injection
9031.20.90	139	Banks assays with electrodynamic actuator for dynamic testing of high-speed
9031.20.90	157	Tops regular output shafts and functional test of the cross-servo Table 3 stage
9031.49.90	53	industrial endoscopy equipment, microprocessor, with a maximum length of 4
9031.49.90	70	Appliances with automatic optical system for classification and quality inspec
9031.49.90	140	dimensional measuring devices to ceramic plates, with control capability in th
9031.49.90	169	Machines for inspecting defects in glass bottles with a capacity of inspection
9031.49.90	210	Devices for automatic verification of the diopter, with marking and position c
9031.49.90	219	Apparatus for manual verification of diopter marking and positioning with th
9031.49.90	280	Optical multichannel called optical interrogator unit, with the wavelength sca
9031.49.90	339	optical systems to inspect the print quality for continuous processes, machine
9031.49.90	340	Apparatus "scanners" 4 sensors for measuring the stride length of twisted pai
9031.49.90	341	Machines for inspection "blanks" used in the manufacture of coins, for "blank
9031.49.90	342	Equipment for observation and optical inspection moving web, in print forma
9031.49.90	343	automatic inspection machines and control coils of labels and other printed m
9031.49.90	344	Automatic optical inspection equipment in assembly line of electronic compo
9031.80.11	8	Dynamometers for static and dynamic evaluation of internal and hybrid comb
9031.80.20	168	optical three-dimensional measuring cells, vehicle cabins (trucks) and its con
9031.80.20	169	carbon fiber portable articulated arms for manual measurements pieces with c



9031.80.99	28	Apparatus for non-destructive testing by means of ultrasound, microprocesso
9031.80.99	29	Apparatus for non-destructive testing by means of ultrasound, microprocesso
9031.80.99	144	Apparatus for non-destructive testing by means of ultrasound, microprocesso
9031.80.99	292	Equipment for anti-reflective adhesion test ophthalmic lenses, by applying a f
9031.80.99	407	Microprocessor Equipment for non-destructive testing by the method of eddy
9031.80.99	427	Target acquisition, management and data analysis, 4 or 8 analog input channe
9031.80.99	486	Process control equipment, with the control function and adjust the weight of
9031.80.99	488	stroke positioning of the measuring equipment in ophthalmic lenses for viewi
9031.80.99	495	Readers tracer - apparatus for measuring shape, curvature and depth of trougl
9031.80.99	496	stroke positioning of the measuring equipment in ophthalmic lenses for viewi
9031.80.99	598	Apparatus for electrical testing of functional performance (temperature, press
9031.80.99	600	Readers tracer - apparatus for measuring shape and curvature of eyeglass fran
9031.80.99	607	automatic for measuring uniformity of passenger car tires and light truck mac
9031.80.99	716	Goniofotômetros automated measurement of photometric and optical charact
9031.80.99	825	Measuring instruments and control range, with automatic adjustment of film t
9031.80.99	826	Modules for measuring / acquisition of analog signals from sensors in motor
9031.80.99	827	Machine for sealing containers PET test (ethylene terephthalate) having a ma
9031.80.99	828	Systems for thickness measurement, humidity, weight, plastic films, plastic, a
9031.80.99	829	artificial vision systems for inspection of defects in paper and pulp, at room t
9031.80.99	830	anthropomorphic puppets "dummies", used in automobile crash tests against
9031.80.99	831	balance of marine motion sensors ( "roll") and heave ( "pitch"), with improve
9031.80.99	832	Apparatus pressurizers bottles, for subsequent detection and control of leakag
9031.80.99	833	workstations for measurement and calibration diameter, notches and holes de
9031.80.99	834	Workstations for measuring and calibrating the thickness of the crank pin and
9031.80.99	835	Workstations for measuring and calibrating the thickness, height and profile o
9031.80.99	836	workstations for measurement and calibration bending, twisting, diameter, po
9032.89.29	43	electronic control units (ECU) for managing multiple functions of agricultura
9032.89.30	1	control units and automatic management system composed train of IP switch,
9032.89.30	4	Automatic control units for rail vehicles travel optimization, working on acce
9032.89.82	6	automatic temperature regulators, suitable for temperature control and contro
9032.89.89	13	Apparatus for regulating and automatic control of environmental parameters





































