Chapter 84

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

Notes.
1.- This Chapter does not cover:
   (a) Millstones, grindstones or other articles of Chapter 68;
   (b) Machinery or appliances (for example, pumps) of ceramic material and ceramic parts of
       machinery or appliances of any material (Chapter 69);
   (c) Laboratory glassware (heading 70.17); machinery, appliances or other articles for technical
       uses or parts thereof, of glass (heading 70.19 or 70.20);
   (d) Articles of heading 73.21 or 73.22 or similar articles of other base metals (Chapters 74 to
       76 or 78 to 81);
   (e) Electro-mechanical domestic appliances of heading 85.09; digital cameras of heading
       85.25; or
   (f) Hand-operated mechanical floor sweepers, not motorised (heading 96.03).
2.- Subject to the operation of Note 3 to Section XVI, a machine or appliance which answers to a
   description in one or more of the headings 84.01 to 84.24 and at the same time to a description
   in one or other of the headings 84.25 to 84.80 is to be classified under the appropriate heading
   of the former group and not the latter.
   Heading 84.19 does not, however, cover:
   (a) Germination plant, incubators or brooders (heading 84.36);
   (b) Grain dampening machines (heading 84.37);
   (c) Diffusing apparatus for sugar juice extraction (heading 84.38);
   (d) Machinery for the heat-treatment of textile yarns, fabrics or made up textile articles
       (heading 84.51); or
   (e) Machinery or plant, designed for mechanical operation, in which a change of temperature,
       even if necessary, is subsidiary.
   Heading 84.22 does not cover:
   (a) Sewing machines for closing bags or similar containers (heading 84.52); or
   (b) Office machinery of heading 84.72.
   Heading 84.24 does not cover:
   Ink-jet printing machines (heading 84.43 or 84.71).
3.- A machine-tool for working any material which answers to a description in heading 84.56 and
    at the same time to a description in heading 84.57, 84.58, 84.59, 84.60, 84.61, 84.64 or 84.65
    is to be classified in heading 84.56.
4.- Heading 84.57 applies only to machine-tools for working metal, other than lathes (including turning
    centres), which can carry out different types of machining operations either:
    (a) by automatic tool change from a magazine or the like in conformity with a machining
        programme (machining centres),
    (b) by the automatic use, simultaneously or sequentially, of different unit heads working on a
        fixed position workpiece (unit construction machines, single station), or
    (c) by the automatic transfer of the workpiece to different unit heads (multi-station transfer
        machines).
5.- (A) For the purposes of heading 84.71, the expression “automatic data processing machines”
    means:
    (a) Digital machines, capable of (1) storing the processing program or programs and at
        least the data immediately necessary for the execution of the program; (2) being
        freely programmed in accordance with the requirements of the user; (3) performing
        arithmetical computations specified by the user; and, (4) executing, without human
        intervention, a processing program which requires them to modify their execution, by
        logical decision during the processing run;
    (b) Analogue machines capable of simulating mathematical models and comprising at
        least: analogue elements, control elements and programming elements;
(c) Hybrid machines consisting of either a digital machine with analogue elements or an analogue machine with digital elements.

(B) Automatic data processing machines may be in the form of systems consisting of a variable number of separate units. Subject to paragraph (E) below, a unit is to be regarded as being a part of a complete system if it meets all of the following conditions:

(a) It is of a kind solely or principally used in an automatic data processing system;
(b) It is connectable to the central processing unit either directly or through one or more other units; and
(c) It is able to accept or deliver data in a form (codes or signals) which can be used by the system.

(C) Separately presented units of an automatic data processing machine are to be classified in heading 84.71.

(D) Printers, keyboards, X-Y co-ordinate input devices and disk storage units which satisfy the conditions of paragraphs (B) (b) and (B) (c) above, are in all cases to be classified as units of heading 84.71.

(E) Machines performing a specific function other than data processing and incorporating or working in conjunction with an automatic data processing machine are to be classified in the headings appropriate to their respective functions or, failing that, in residual headings.

6.- Heading 84.82 applies, inter alia, to polished steel balls, the maximum and minimum diameters of which do not differ from the nominal diameter by more than 1% or by more than 0.05 mm, whichever is less.

Other steel balls are to be classified in heading 73.26.

7.- A machine which is used for more than one purpose is, for the purposes of classification, to be treated as if its principal purpose were its sole purpose.

Subject to Note 2 to this Chapter and Note 3 to Section XVI, a machine the principal purpose of which is not described in any heading or for which no one purpose is the principal purpose is, unless the context otherwise requires, to be classified in heading 84.79. Heading 84.79 also covers machines for making rope or cable (for example, stranding, twisting or cabling machines) from metal wire, textile yarn or any other material or from a combination of such materials.

8.- For the purposes of heading 84.70, the term “pocket-size” applies only to machines the dimensions of which do not exceed 170 mm x 100 mm x 45 mm.

Subheading Notes.

1.- For the purposes of subheading 8471.49, the term “systems” means automatic data processing machines whose units satisfy the conditions laid down in Note 5 (B) to Chapter 84 and which comprise at least a central processing unit, one input unit (for example, a keyboard or a scanner), and one output unit (for example, a visual display unit or a printer).

2.- Subheading 8482.40 applies only to bearings with cylindrical rollers of a uniform diameter not exceeding 5 mm and having a length which is at least three times the diameter. The ends of the rollers may be rounded.

<table>
<thead>
<tr>
<th>Heading Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>84.01</td>
<td>Nuclear reactors; fuel elements (cartridges), non-irradiated, for nuclear reactors; machinery and apparatus for isotopic separation.</td>
</tr>
<tr>
<td>8401.10</td>
<td>Nuclear reactors</td>
</tr>
<tr>
<td>8401.20</td>
<td>Machinery and apparatus for isotopic separation, and parts thereof</td>
</tr>
<tr>
<td>8401.30</td>
<td>Fuel elements (cartridges), non-irradiated</td>
</tr>
<tr>
<td>8401.40</td>
<td>Parts of nuclear reactors</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Heading Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>84.02</td>
<td>Steam or other vapour generating boilers (other than central heating hot water boilers capable also of producing low pressure steam); super-heated water boilers.</td>
</tr>
<tr>
<td></td>
<td>- Steam or other vapour generating boilers :</td>
</tr>
</tbody>
</table>
8402.11 -- Watertube boilers with a steam production exceeding 45 t per hour
8402.12 -- Watertube boilers with a steam production not exceeding 45 t per hour
8402.19 -- Other vapour generating boilers, including hybrid boilers
8402.20 - Super-heated water boilers
8402.90 - Parts

84.03 Central heating boilers other than those of heading 84.02.
8403.10 - Boilers
8403.90 - Parts

84.04 Auxiliary plant for use with boilers of heading 84.02 or 84.03 (for example, economisers, super-heaters, soot removers, gas recoverers); condensers for steam or other vapour power units.
8404.10 - Auxiliary plant for use with boilers of heading 84.02 or 84.03
8404.20 - Condensers for steam or other vapour power units
8404.90 - Parts

84.05 Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their purifiers.
8405.10 - Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their purifiers
8405.90 - Parts

84.06 Steam turbines and other vapour turbines.
8406.10 - Turbines for marine propulsion
- Other turbines :
  8406.81 -- Of an output exceeding 40 MW
  8406.82 -- Of an output not exceeding 40 MW
8406.90 - Parts

84.07 Spark-ignition reciprocating or rotary internal combustion piston engines.
8407.10 - Aircraft engines
- Marine propulsion engines :
  8407.21 -- Outboard motors
  8407.29 -- Other
- Reciprocating piston engines of a kind used for the propulsion of vehicles of Chapter 87 :
  8407.31 -- Of a cylinder capacity not exceeding 50 cc
  8407.32 -- Of a cylinder capacity exceeding 50 cc but not exceeding 250 cc
  8407.33 -- Of a cylinder capacity exceeding 250 cc but not exceeding 1,000 cc
  8407.34 -- Of a cylinder capacity exceeding 1,000 cc
8407.90 - Other engines

84.08 Compression-ignition internal combustion piston engines (diesel or semi-diesel engines).
8408.10 - Marine propulsion engines
8408.20 - Engines of a kind used for the propulsion of vehicles of Chapter 87
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8408.90</td>
<td>- Other engines</td>
</tr>
<tr>
<td>8409</td>
<td>Parts suitable for use solely or principally with the engines of heading 84.07 or 84.08.</td>
</tr>
<tr>
<td>8409.10</td>
<td>- For aircraft engines</td>
</tr>
<tr>
<td></td>
<td>- Other:</td>
</tr>
<tr>
<td>8409.91</td>
<td>-- Suitable for use solely or principally with spark-ignition internal combustion piston engines</td>
</tr>
<tr>
<td>8409.99</td>
<td>-- Other</td>
</tr>
<tr>
<td>8410</td>
<td>Hydraulic turbines, water wheels, and regulators therefor.</td>
</tr>
<tr>
<td></td>
<td>- Hydraulic turbines and water wheels:</td>
</tr>
<tr>
<td>8410.11</td>
<td>-- Of a power not exceeding 1,000 kW</td>
</tr>
<tr>
<td>8410.12</td>
<td>-- Of a power exceeding 1,000 kW but not exceeding 10,000 kW</td>
</tr>
<tr>
<td>8410.13</td>
<td>-- Of a power exceeding 10,000 kW</td>
</tr>
<tr>
<td>8410.90</td>
<td>- Parts, including regulators</td>
</tr>
<tr>
<td>8411</td>
<td>Turbo-jets, turbo-propellers and other gas turbines.</td>
</tr>
<tr>
<td></td>
<td>- Turbo-jets:</td>
</tr>
<tr>
<td>8411.11</td>
<td>-- Of a thrust not exceeding 25 kN</td>
</tr>
<tr>
<td>8411.12</td>
<td>-- Of a thrust exceeding 25 kN</td>
</tr>
<tr>
<td></td>
<td>- Turbo-propellers:</td>
</tr>
<tr>
<td>8411.21</td>
<td>-- Of a power not exceeding 1,100 kW</td>
</tr>
<tr>
<td>8411.22</td>
<td>-- Of a power exceeding 1,100 kW</td>
</tr>
<tr>
<td></td>
<td>- Other gas turbines:</td>
</tr>
<tr>
<td>8411.81</td>
<td>-- Of a power not exceeding 5,000 kW</td>
</tr>
<tr>
<td>8411.82</td>
<td>-- Of a power exceeding 5,000 kW</td>
</tr>
<tr>
<td></td>
<td>- Parts:</td>
</tr>
<tr>
<td>8411.91</td>
<td>-- Of turbo-jets or turbo-propellers</td>
</tr>
<tr>
<td>8411.99</td>
<td>-- Other</td>
</tr>
<tr>
<td>8412</td>
<td>Other engines and motors.</td>
</tr>
<tr>
<td>8412.10</td>
<td>- Reaction engines other than turbo-jets</td>
</tr>
<tr>
<td></td>
<td>- Hydraulic power engines and motors:</td>
</tr>
<tr>
<td>8412.21</td>
<td>-- Linear acting (cylinders)</td>
</tr>
<tr>
<td>8412.29</td>
<td>-- Other</td>
</tr>
<tr>
<td></td>
<td>- Pneumatic power engines and motors:</td>
</tr>
<tr>
<td>8412.31</td>
<td>-- Linear acting (cylinders)</td>
</tr>
<tr>
<td>8412.39</td>
<td>-- Other</td>
</tr>
<tr>
<td>8412.80</td>
<td>- Other</td>
</tr>
<tr>
<td>8412.90</td>
<td>- Parts</td>
</tr>
<tr>
<td>8413</td>
<td>Pumps for liquids, whether or not fitted with a measuring device; liquid elevators.</td>
</tr>
<tr>
<td></td>
<td>- Pumps fitted or designed to be fitted with a measuring device:</td>
</tr>
<tr>
<td>8413.11</td>
<td>-- Pumps for dispensing fuel or lubricants, of the type used in filling-stations or in garages</td>
</tr>
<tr>
<td>8413.19</td>
<td>-- Other</td>
</tr>
<tr>
<td>8413.20</td>
<td>- Hand pumps, other than those of subheading 8413.11 or 8413.19</td>
</tr>
<tr>
<td>8413.30</td>
<td>- Fuel, lubricating or cooling medium pumps for internal combustion piston engines</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>8413.40</td>
<td>Concrete pumps</td>
</tr>
<tr>
<td>8413.50</td>
<td>Other reciprocating positive displacement pumps</td>
</tr>
<tr>
<td>8413.60</td>
<td>Other rotary positive displacement pumps</td>
</tr>
<tr>
<td>8413.70</td>
<td>Other centrifugal pumps</td>
</tr>
<tr>
<td></td>
<td>- Other pumps; liquid elevators :</td>
</tr>
<tr>
<td>8413.81</td>
<td>Pumps</td>
</tr>
<tr>
<td>8413.82</td>
<td>Liquid elevators</td>
</tr>
<tr>
<td></td>
<td>- Parts :</td>
</tr>
<tr>
<td>8413.91</td>
<td>Of pumps</td>
</tr>
<tr>
<td>8413.92</td>
<td>Of liquid elevators</td>
</tr>
</tbody>
</table>

**84.14**

Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8414.10</td>
<td>Vacuum pumps</td>
</tr>
<tr>
<td>8414.20</td>
<td>Hand- or foot-operated air pumps</td>
</tr>
<tr>
<td>8414.30</td>
<td>Compressors of a kind used in refrigerating equipment</td>
</tr>
<tr>
<td>8414.40</td>
<td>Air compressors mounted on a wheeled chassis for towing</td>
</tr>
<tr>
<td></td>
<td>- Fans :</td>
</tr>
<tr>
<td>8414.51</td>
<td>-- Table, floor, wall, window, ceiling or roof fans, with a self-contained electric motor of an output not exceeding 125 W</td>
</tr>
<tr>
<td>8414.59</td>
<td>-- Other</td>
</tr>
<tr>
<td>8414.60</td>
<td>- Hoods having a maximum horizontal side not exceeding 120 cm</td>
</tr>
<tr>
<td>8414.80</td>
<td>- Other</td>
</tr>
<tr>
<td>8414.90</td>
<td>- Parts</td>
</tr>
</tbody>
</table>

**84.15**

Air conditioning machines, comprising a motor-driven fan and elements for changing the temperature and humidity, including those machines in which the humidity cannot be separately regulated.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8415.10</td>
<td>Window or wall types, self-contained or “split-system”</td>
</tr>
<tr>
<td>8415.20</td>
<td>Of a kind used for persons, in motor vehicles</td>
</tr>
<tr>
<td></td>
<td>- Other :</td>
</tr>
<tr>
<td>8415.81</td>
<td>-- Incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps)</td>
</tr>
<tr>
<td>8415.82</td>
<td>-- Other, incorporating a refrigerating unit</td>
</tr>
<tr>
<td>8415.83</td>
<td>-- Not incorporating a refrigerating unit</td>
</tr>
<tr>
<td>8415.90</td>
<td>- Parts</td>
</tr>
</tbody>
</table>

**84.16**

Furnace burners for liquid fuel, for pulverised solid fuel or for gas; mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8416.10</td>
<td>Furnace burners for liquid fuel</td>
</tr>
<tr>
<td>8416.20</td>
<td>Other furnace burners, including combination burners</td>
</tr>
<tr>
<td>8416.30</td>
<td>Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances</td>
</tr>
<tr>
<td>8416.90</td>
<td>- Parts</td>
</tr>
</tbody>
</table>

**84.17**

Industrial or laboratory furnaces and ovens, including incinerators, non-electric.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8417.10</td>
<td>Furnaces and ovens for the roasting, melting or other heat-treatment of ores, pyrites or of metals</td>
</tr>
<tr>
<td>8417.20</td>
<td>- Bakery ovens, including biscuit ovens</td>
</tr>
</tbody>
</table>
84.18 Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps other than air conditioning machines of heading 84.15.

8418.10 - Combined refrigerator-freezers, fitted with separate external doors
  - Refrigerators, household type:
    8418.21 -- Compression-type
    8418.22 -- Absorption-type, electrical
    8418.29 -- Other
  8418.30 - Freezers of the chest type, not exceeding 800 l capacity
  8418.40 - Freezers of the upright type, not exceeding 900 l capacity
  8418.50 - Other refrigerating or freezing chests, cabinets, display counters, show-cases and similar refrigerating or freezing furniture
  - Other refrigerating or freezing equipment; heat pumps:
    8418.61 -- Compression type units whose condensers are heat exchangers
    8418.69 -- Other
  - Parts:
    8418.91 -- Furniture designed to receive refrigerating or freezing equipment
    8418.99 -- Other

84.19 Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes; instantaneous or storage water heaters, non-electric.

- Instantaneous or storage water heaters, non-electric:
  8419.11 -- Instantaneous gas water heaters
  8419.19 -- Other
  8419.20 - Medical, surgical or laboratory sterilisers
    - Dryers:
      8419.31 -- For agricultural products
      8419.32 -- For wood, paper pulp, paper or paperboard
      8419.39 -- Other
  8419.40 - Distilling or rectifying plant
  8419.50 - Heat exchange units
  8419.60 - Machinery for liquefying air or other gases
    - Other machinery, plant and equipment:
      8419.81 -- For making hot drinks or for cooking or heating food
      8419.89 -- Other
  8419.90 - Parts

84.20 Calendering or other rolling machines, other than for metals or glass, and cylinders therefor.

8420.10 - Calendering or other rolling machines
  - Parts:
    8420.91 -- Cylinders
8420.99  --  Other

84.21  Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases.
- Centrifuges, including centrifugal dryers:
  8421.11  --  Cream separators
  8421.12  --  Clothes-dryers
  8421.19  --  Other
  - Filtering or purifying machinery and apparatus for liquids:
    8421.21  --  For filtering or purifying water
    8421.22  --  For filtering or purifying beverages other than water
    8421.23  --  Oil or petrol-filters for internal combustion engines
    8421.29  --  Other
  - Filtering or purifying machinery and apparatus for gases:
    8421.31  --  Intake air filters for internal combustion engines
    8421.39  --  Other
  - Parts:
    8421.91  --  Of centrifuges, including centrifugal dryers
    8421.99  --  Other

84.22  Dish washing machines; machinery for cleaning or drying bottles or other containers; machinery for filling, closing, sealing or labelling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles, jars, tubes and similar containers; other packing or wrapping machinery (including heat-shrink wrapping machinery); machinery for aerating beverages.
  - Dish washing machines:
    8422.11  --  Of the household type
    8422.19  --  Other
    8422.20  --  Machinery for cleaning or drying bottles or other containers
    8422.30  --  Machinery for filling, closing, sealing, or labelling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles, jars, tubes and similar containers; machinery for aerating beverages
    8422.40  --  Other packing or wrapping machinery (including heat-shrink wrapping machinery)
    8422.90  --  Parts

84.23  Weighing machinery (excluding balances of a sensitivity of 5 cg or better), including weight operated counting or checking machines; weighing machine weights of all kinds.
  8423.10  --  Personal weighing machines, including baby scales; household scales
  8423.20  --  Scales for continuous weighing of goods on conveyors
  8423.30  --  Constant weight scales and scales for discharging a predetermined weight of material into a bag or container, including hopper scales
  - Other weighing machinery:
    8423.81  --  Having a maximum weighing capacity not exceeding 30 kg
    8423.82  --  Having a maximum weighing capacity exceeding 30 kg but not exceeding 5,000 kg
    8423.89  --  Other
    8423.90  --  Weighing machine weights of all kinds; parts of weighing machinery
### 84.24

Mechanical appliances (whether or not hand-operated) for projecting, dispersing or spraying liquids or powders; fire extinguishers, whether or not charged; spray guns and similar appliances; steam or sand blasting machines and similar jet projecting machines.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8424.10</td>
<td>Fire extinguishers, whether or not charged</td>
</tr>
<tr>
<td>8424.20</td>
<td>Spray guns and similar appliances</td>
</tr>
<tr>
<td>8424.30</td>
<td>Steam or sand blasting machines and similar jet projecting machines</td>
</tr>
<tr>
<td></td>
<td>Other appliances:</td>
</tr>
<tr>
<td>8424.81</td>
<td>Agricultural or horticultural</td>
</tr>
<tr>
<td>8424.89</td>
<td>Other</td>
</tr>
<tr>
<td>8424.90</td>
<td>Parts</td>
</tr>
</tbody>
</table>

### 84.25

Pulley tackle and hoists other than skip hoists; winches and capstans; jacks.

- Pulley tackle and hoists other than skip hoists or hoists of a kind used for raising vehicles:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8425.11</td>
<td>Powered by electric motor</td>
</tr>
<tr>
<td>8425.19</td>
<td>Other</td>
</tr>
<tr>
<td>8425.20</td>
<td>Pit-head winding gear; winches specially designed for use underground</td>
</tr>
<tr>
<td></td>
<td>Other winches; capstans:</td>
</tr>
<tr>
<td>8425.31</td>
<td>Powered by electric motor</td>
</tr>
<tr>
<td>8425.39</td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td>Jacks; hoists of a kind used for raising vehicles:</td>
</tr>
<tr>
<td>8425.41</td>
<td>Built-in jacking systems of a type used in garages</td>
</tr>
<tr>
<td>8425.42</td>
<td>Other jacks and hoists, hydraulic</td>
</tr>
<tr>
<td>8425.49</td>
<td>Other</td>
</tr>
</tbody>
</table>

### 84.26

Ships' derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane.

- Overhead travelling cranes, transporter cranes, gantry cranes, bridge cranes, mobile lifting frames and straddle carriers:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8426.11</td>
<td>Overhead travelling cranes on fixed support</td>
</tr>
<tr>
<td>8426.12</td>
<td>Mobile lifting frames on tyres and straddle carriers</td>
</tr>
<tr>
<td>8426.19</td>
<td>Other</td>
</tr>
<tr>
<td>8426.20</td>
<td>Tower cranes</td>
</tr>
<tr>
<td>8426.30</td>
<td>Portal or pedestal jib cranes</td>
</tr>
<tr>
<td></td>
<td>Other machinery, self-propelled:</td>
</tr>
<tr>
<td>8426.41</td>
<td>On tyres</td>
</tr>
<tr>
<td>8426.49</td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td>Other machinery:</td>
</tr>
<tr>
<td>8426.91</td>
<td>Designed for mounting on road vehicles</td>
</tr>
<tr>
<td>8426.99</td>
<td>Other</td>
</tr>
</tbody>
</table>

### 84.27

Fork-lift trucks; other works trucks fitted with lifting or handling equipment.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8427.10</td>
<td>Self-propelled trucks powered by an electric motor</td>
</tr>
<tr>
<td>8427.20</td>
<td>Other self-propelled trucks</td>
</tr>
<tr>
<td>8427.90</td>
<td>Other trucks</td>
</tr>
</tbody>
</table>
Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics).

- Lifts and skip hoists
- Pneumatic elevators and conveyors
  - Other continuous-action elevators and conveyors, for goods or materials:
    - Specially designed for underground use
    - Other, bucket type
    - Other, belt type
    - Other
- Escalators and moving walkways
- Mine wagon pushers, locomotive or wagon traversers, wagon tippers and similar railway wagon handling equipment
- Teleferics, chair-lifts, ski-draglines; traction mechanisms for funiculars
- Other machinery

Self-propelled bulldozers, angledozers, graders, levellers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers.

- Bulldozers and angledozers:
  - Track laying
  - Other
- Graders and levellers
- Scrapers
- Tamping machines and road rollers
- Mechanical shovels, excavators and shovel loaders:
  - Front-end shovel loaders
  - Machinery with a 360° revolving superstructure
- Other

Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-extractors; snow-ploughs and snow-blowers.

- Pile-drivers and pile-extractors
- Snow-ploughs and snow-blowers
  - Coal or rock cutters and tunnelling machinery:
- Self-propelled
- Other
  - Other boring or sinking machinery:
- Self-propelled
- Other
- Other machinery, self-propelled
  - Other machinery, not self-propelled:
- Tamping or compacting machinery
- Other

Parts suitable for use solely or principally with the machinery of headings 84.25 to 84.30.

- Of machinery of heading 84.25
- Of machinery of heading 84.27
- Of machinery of heading 84.28:
  8431.31 -- Of lifts, skip hoists or escalators
  8431.39 -- Other
- Of machinery of heading 84.26, 84.29 or 84.30:
  8431.41 -- Buckets, shovels, grabs and grips
  8431.42 -- Bulldozer or angledozer blades
  8431.43 -- Parts for boring or sinking machinery of subheading 8430.41 or 8430.49
  8431.49 -- Other

84.32 Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers.
  8432.10 -- Ploughs
  - Harrows, scarifiers, cultivators, weeder and hoes:
  8432.21 -- Disc harrows
  8432.29 -- Other
  8432.30 -- Seeders, planters and transplanters
  8432.40 -- Manure spreaders and fertiliser distributors
  8432.80 -- Other machinery
  8432.90 -- Parts

84.33 Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of heading 84.37.
  - Mowers for lawns, parks or sports-grounds:
  8433.11 -- Powered, with the cutting device rotating in a horizontal plane
  8433.19 -- Other
  8433.20 -- Other mowers, including cutter bars for tractor mounting
  8433.30 -- Other haymaking machinery
  8433.40 -- Straw or fodder balers, including pick-up balers
  - Other harvesting machinery; threshing machinery:
  8433.51 -- Combine harvester-threshers
  8433.52 -- Other threshing machinery
  8433.53 -- Root or tuber harvesting machines
  8433.59 -- Other
  8433.60 -- Machines for cleaning, sorting or grading eggs, fruit or other agricultural produce
  8433.90 -- Parts

84.34 Milking machines and dairy machinery.
  8434.10 -- Milking machines
  8434.20 -- Dairy machinery
  8434.90 -- Parts

84.35 Presses, crushers and similar machinery used in the manufacture of wine, cider, fruit juices or similar beverages.
  8435.10 -- Machinery
  8435.90 -- Parts

84.36 Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment; poultry incubators
84.36 Machinery for preparing animal feeding stuffs
- Poultry-keeping machinery; poultry incubators and brooders:
  8436.21 Poultry incubators and brooders
  8436.29 Other
- Other machinery
  - Parts:
    8436.91 Of poultry-keeping machinery or poultry incubators and brooders
    8436.99 Other

84.37 Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables; machinery used in the milling industry or for the working of cereals or dried leguminous vegetables, other than farm-type machinery.
- Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables
- Other machinery
- Parts

84.38 Machinery, not specified or included elsewhere in this Chapter, for the industrial preparation or manufacture of food or drink, other than machinery for the extraction or preparation of animal or fixed vegetable fats or oils.
- Bakery machinery and machinery for the manufacture of macaroni, spaghetti or similar products
- Machinery for the manufacture of confectionery, cocoa or chocolate
- Machinery for sugar manufacture
- Brewery machinery
- Machinery for the preparation of meat or poultry
- Machinery for the preparation of fruits, nuts or vegetables
- Other machinery
- Parts

84.39 Machinery for making pulp of fibrous cellulosic material or for making or finishing paper or paperboard.
- Machinery for making pulp of fibrous cellulosic material
- Machinery for making paper or paperboard
- Machinery for finishing paper or paperboard
  - Parts:
    8439.91 Of machinery for making pulp of fibrous cellulosic material
    8439.99 Other

84.40 Book-binding machinery, including book-sewing machines.
- Machinery
- Parts

84.41 Other machinery for making up paper pulp, paper or paperboard, including cutting machines of all kinds.
- Cutting machines
- Machines for making bags, sacks or envelopes
- Machines for making cartons, boxes, cases, tubes, drums or
similar containers, other than by moulding
8441.40 - Machines for moulding articles in paper pulp, paper or paperboard
8441.80 - Other machinery
8441.90 - Parts

### 84.42
Machinery, apparatus and equipment (other than the machine-tools of headings 84.56 to 84.65), for type-founding or type-setting, for preparing or making printing blocks, plates, cylinders or other printing components; printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished).
8442.10 - Phototype-setting and composing machines
8442.20 - Machinery, apparatus and equipment for type-setting or composing by other processes, with or without founding device
8442.30 - Other machinery, apparatus and equipment
8442.40 - Parts of the foregoing machinery, apparatus or equipment
8442.50 - Printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished)

### 84.43
Printing machinery used for printing by means of the printing type, blocks, plates, cylinders and other printing components of heading 84.42; ink-jet printing machines, other than those of heading 84.71; machines for uses ancillary to printing.
- Offset printing machinery :
  8443.11 -- Reel fed
  8443.12 -- Sheet fed, office type (sheet size not exceeding 22 x 36 cm)
  8443.19 -- Other
  - Letterpress printing machinery, excluding flexographic printing:
    8443.21 -- Reel fed
    8443.29 -- Other
  8443.30 - Flexographic printing machinery
  8443.40 - Gravure printing machinery
  - Other printing machinery :
    8443.51 -- Ink-jet printing machines
    8443.59 -- Other
    8443.60 - Machines for uses ancillary to printing
    8443.90 - Parts

### 84.44
8444.00 Machines for extruding, drawing, texturing or cutting man-made textile materials.

### 84.45
Machines for preparing textile fibres; spinning, doubling or twisting machines and other machinery for producing textile yarns; textile reeling or winding (including weft-winding) machines and machines for preparing textile yarns for use on the machines of heading 84.46 or 84.47.
- Machines for preparing textile fibres :
  8445.11 -- Carding machines
  8445.12 -- Combing machines
  8445.13 -- Drawing or roving machines
8445.19 - Other
8445.20 - Textile spinning machines
8445.30 - Textile doubling or twisting machines
8445.40 - Textile winding (including weft-winding) or reeling machines
8445.90 - Other

84.46 Weaving machines (looms).
8446.10 - For weaving fabrics of a width not exceeding 30 cm
8446.21 -- Power looms
8446.29 -- Other
8446.30 - For weaving fabrics of a width exceeding 30 cm, shuttle type

84.47 Knitting machines, stitch-bonding machines and machines for making gimped yarn, tulle, lace, embroidery, trimmings, braid or net and machines for tufting.
- Circular knitting machines :
8447.11 -- With cylinder diameter not exceeding 165 mm
8447.12 -- With cylinder diameter exceeding 165 mm
8447.20 - Flat knitting machines; stitch-bonding machines
8447.90 - Other

84.48 Auxiliary machinery for use with machines of heading 84.44, 84.45, 84.46 or 84.47 (for example, dobbies, Jacquards, automatic stop motions, shuttle changing mechanisms); parts and accessories suitable for use solely or principally with the machines of this heading or of heading 84.44, 84.45, 84.46 or 84.47 (for example, spindles and spindle flyers, card clothing, combs, extruding nipples, shuttles, healds and heald-frames, hosiery needles).
- Auxiliary machinery for machines of heading 84.44, 84.45, 84.46 or 84.47 :
8448.11 -- Dobbies and Jacquards; card reducing, copying, punching or assembling machines for use therewith
8448.19 -- Other
8448.20 - Parts and accessories of machines of heading 84.44 or of their auxiliary machinery
- Parts and accessories of machines of heading 84.45 or of their auxiliary machinery :
8448.31 -- Card clothing
8448.32 -- Of machines for preparing textile fibres, other than card clothing
8448.33 -- Spindles, spindle flyers, spinning rings and ring travellers
8448.39 -- Other
- Parts and accessories of weaving machines (looms) or of their auxiliary machinery :
8448.41 -- Shuttles
8448.42 -- Reeds for looms, healds and heald-frames
8448.49 -- Other
- Parts and accessories of machines of heading 84.47 or of their auxiliary machinery :
8448.51 -- Sinkers, needles and other articles used in forming stitches
8448.59 -- Other
<table>
<thead>
<tr>
<th>HS Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>84.49</td>
<td>Machinery for the manufacture or finishing of felt or nonwovens in the piece or in shapes, including machinery for making felt hats; blocks for making hats.</td>
</tr>
</tbody>
</table>
| 84.50   | Household or laundry-type washing machines, including machines which both wash and dry.  
- Machines, each of a dry linen capacity not exceeding 10 kg:  
  8450.11 -- Fully-automatic machines  
  8450.12 -- Other machines, with built-in centrifugal drier  
  8450.19 -- Other  
- Machines, each of a dry linen capacity exceeding 10 kg  
  8450.20  
- Parts |
| 84.51   | Machinery (other than machines of heading 84.50) for washing, cleaning, wringing, drying, ironing, pressing (including fusing presses), bleaching, dyeing, dressing, finishing, coating or impregnating textile yarns, fabrics or made up textile articles and machines for applying the paste to the base fabric or other support used in the manufacture of floor coverings such as linoleum; machines for reeling, unreeling, folding, cutting or pinking textile fabrics.  
- Dry-cleaning machines  
- Drying machines:  
  8451.21 -- Each of a dry linen capacity not exceeding 10 kg  
  8451.29 -- Other  
- Ironing machines and presses (including fusing presses)  
  8451.30  
- Washing, bleaching or dyeing machines  
  8451.40  
- Machines for reeling, unreeling, folding, cutting or pinking textile fabrics  
  8451.50  
- Other machinery  
  8451.80  
- Parts  
  8451.90 |
| 84.52   | Sewing machines, other than book-sewing machines of heading 84.40; furniture, bases and covers specially designed for sewing machines; sewing machine needles.  
- Sewing machines of the household type  
- Other sewing machines:  
  8452.21 -- Automatic units  
  8452.29 -- Other  
- Sewing machine needles  
  8452.30  
- Furniture, bases and covers for sewing machines and parts thereof  
  8452.40  
- Other parts of sewing machines  
  8452.90 |
| 84.53   | Machinery for preparing, tanning or working hides, skins or leather or for making or repairing footwear or other articles of hides, skins or leather, other than sewing machines.  
- Machinery for preparing, tanning or working hides, skins or leather  
  8453.10  
- Machinery for making or repairing footwear  
  8453.20  
- Other machinery  
  8453.80  
- Parts  
  8453.90 |
| 84.54   | Converters, ladles, ingot moulds and casting machines, of a kind used in metallurgy or in metal foundries.  
- Converters  
  8454.10 |
| 8454.20 | - Ingot moulds and ladles |
| 8454.30 | - Casting machines |
| 8454.90 | - Parts |

**84.55**  
**Metal-rolling mills and rolls therefor.**

| 8455.10 | - Tube mills |
| 8455.20 | - Other rolling mills : |
| 8455.21 | -- Hot or combination hot and cold |
| 8455.22 | -- Cold |
| 8455.30 | - Rolls for rolling mills |
| 8455.90 | - Other parts |

**84.56**  
**Machine-tools for working any material by removal of material, by laser or other light or photon beam, ultrasonic, electro-discharge, electro-chemical, electron beam, ionic-beam or plasma arc processes.**

| 8456.10 | - Operated by laser or other light or photon beam processes |
| 8456.20 | - Operated by ultrasonic processes |
| 8456.30 | - Operated by electro-discharge processes |
| 8456.91 | -- For dry-etching patterns on semiconductor materials |
| 8456.99 | -- Other |

**84.57**  
**Machining centres, unit construction machines (single station) and multi-station transfer machines, for working metal.**

| 8457.10 | - Machining centres |
| 8457.20 | - Unit construction machines (single station) |
| 8457.30 | - Multi-station transfer machines |

**84.58**  
**Lathes (including turning centres) for removing metal.**

- **Horizontal lathes :**
  | 8458.11 | -- Numerically controlled |
  | 8458.19 | -- Other |
- **Other lathes :**
  | 8458.91 | -- Numerically controlled |
  | 8458.99 | -- Other |

**84.59**  
**Machine-tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, other than lathes (including turning centres) of heading 84.58.**

| 8459.10 | - Way-type unit head machines |
| 8459.20 | - Other drilling machines : |
| 8459.21 | -- Numerically controlled |
| 8459.29 | -- Other |
| 8459.30 | - Other boring-milling machines : |
| 8459.31 | -- Numerically controlled |
| 8459.39 | -- Other |
| 8459.40 | - Other boring machines |
| 8459.51 | - Milling machines, knee-type : |
| 8459.51 | -- Numerically controlled |
Machine-tools for deburring, sharpening, grinding, honing, lapping, polishing or otherwise finishing metal or cermets by means of grinding stones, abrasives or polishing products, other than gear cutting, gear grinding or gear finishing machines of heading 84.61.

- Flat-surface grinding machines, in which the positioning in any one axis can be set up to an accuracy of at least 0.01 mm:
  - 8460.11 -- Numerically controlled
  - 8460.19 -- Other

- Other grinding machines, in which the positioning in any one axis can be set up to an accuracy of at least 0.01 mm:
  - 8460.21 -- Numerically controlled
  - 8460.29 -- Other

- Sharpening (tool or cutter grinding) machines:
  - 8460.31 -- Numerically controlled
  - 8460.39 -- Other

- Honing or lapping machines
  - 8460.40 - Other
  - 8460.90 - Other

Machine-tools (including presses) for working metal by forging, hammering or die-stamping; machine-tools (including presses) for working metal by bending, folding, straightening, flattening, shearing, punching or notching; presses for working metal or metal carbides, not specified above.

- Forging or die-stamping machines (including presses) and hammers
  - Bending, folding, straightening or flattening machines (including presses):
    - 8462.21 -- Numerically controlled
    - 8462.29 -- Other

- Shearing machines (including presses), other than combined punching and shearing machines:
  - 8462.31 -- Numerically controlled
  - 8462.39 -- Other

- Punching or notching machines (including presses), including combined punching and shearing machines:
  - 8462.41 -- Numerically controlled
  - 8462.49 -- Other
### 84.63 Other machine-tools for working metal or cermets, without removing material.

- 8463.10 - Draw-benches for bars, tubes, profiles, wire or the like
- 8463.20 - Thread rolling machines
- 8463.30 - Machines for working wire
- 8463.90 - Other

### 84.64 Machine-tools for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold working glass.

- 8464.10 - Sawing machines
- 8464.20 - Grinding or polishing machines
- 8464.90 - Other

### 84.65 Machine-tools (including machines for nailing, stapling, glueing or otherwise assembling) for working wood, cork, bone, hard rubber, hard plastics or similar hard materials.

- 8465.10 - Machines which can carry out different types of machining operations without tool change between such operations
- 8465.91 - Sawing machines
- 8465.92 - Planing, milling or moulding (by cutting) machines
- 8465.93 - Grinding, sanding or polishing machines
- 8465.94 - Bending or assembling machines
- 8465.95 - Drilling or morticing machines
- 8465.96 - Splitting, slicing or paring machines
- 8465.99 - Other

### 84.66 Parts and accessories suitable for use solely or principally with the machines of headings 84.56 to 84.65, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine-tools; tool holders for any type of tool for working in the hand.

- 8466.10 - Tool holders and self-opening dieheads
- 8466.20 - Work holders
- 8466.30 - Dividing heads and other special attachments for machine-tools
- 8466.91 - For machines of heading 84.64
- 8466.92 - For machines of heading 84.65
- 8466.93 - For machines of headings 84.56 to 84.61
- 8466.94 - For machines of heading 84.62 or 84.63

### 84.67 Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or non-electric motor.

- Pneumatic :
- 8467.11 - Rotary type (including combined rotary-percussion)
- 8467.19 - Other
- With self-contained electric motor :
- 8467.21 - Drills of all kinds
84.68 **Machinery and apparatus for soldering, brazing or welding, whether or not capable of cutting, other than those of heading 85.15; gas-operated surface tempering machines and appliances.**

- 8468.10 - Hand-held blow pipes
- 8468.20 - Other gas-operated machinery and apparatus
- 8468.80 - Other machinery and apparatus
- 8468.90 - Parts

84.69 **Typewriters other than printers of heading 84.71; word-processing machines.**

- 8469.10 - Automatic typewriters and word-processing machines :
  - 8469.11 -- Word-processing machines
  - 8469.12 -- Automatic typewriters
- 8469.20 - Other typewriters, electric
- 8469.30 - Other typewriters, non-electric

84.70 **Calculating machines and pocket-size data recording, reproducing and displaying machines with calculating functions; accounting machines, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device; cash registers.**

- 8470.10 - Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions
  - 8470.20 - Other electronic calculating machines :
    - 8470.21 -- Incorporating a printing device
    - 8470.29 -- Other
- 8470.30 - Other calculating machines
- 8470.40 - Accounting machines
- 8470.50 - Cash registers
- 8470.90 - Other

84.71 **Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included.**

- 8471.10 - Analogue or hybrid automatic data processing machines
- 8471.30 - Portable digital automatic data processing machines, weighing not more than 10 kg, consisting of a least a central processing unit, a keyboard and a display
  - 8471.41 -- Comprising in the same housing at least a central processing unit and an input and output unit, whether or not combined
8471.49  --  Other, presented in the form of systems
8471.50  -  Digital processing units other than those of sub-heading 8471.41 or 8471.49, whether or not containing in the same housing one or two of the following types of unit: storage units, input units, output units
8471.60  -  Input or output units, whether or not containing storage units in the same housing
8471.70  -  Storage units
8471.80  -  Other units of automatic data processing machines
8471.90  -  Other

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

8472.10  -  Duplicating machines
8472.20  -  Addressing machines and address plate embossing machines
8472.30  -  Machines for sorting or folding mail or for inserting mail in envelopes or bands, machines for opening, closing or sealing mail and machines for affixing or cancelling postage stamps
8472.90  -  Other

84.73  Parts and accessories (other than covers, carrying cases and the like) suitable for use solely or principally with machines of headings 84.69 to 84.72.

8473.10  -  Parts and accessories of the machines of heading 84.69
8473.20  -  Parts and accessories of the machines of heading 84.70:
8473.21  --  Of the electronic calculating machines of subheading 8470.10, 8470.21 or 8470.29
8473.29  --  Other
8473.30  -  Parts and accessories of the machines of heading 84.71
8473.40  -  Parts and accessories of the machines of heading 84.72
8473.50  -  Parts and accessories equally suitable for use with machines of two or more of the headings 84.69 to 84.72

84.74  Machinery for sorting, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone, ores or other mineral substances, in solid (including powder or paste) form; machinery for agglomerating, shaping or moulding solid mineral fuels, ceramic paste, unhardened cements, plastering materials or other mineral products in powder or paste form; machines for forming foundry moulds of sand.

8474.10  -  Sorting, screening, separating or washing machines
8474.20  -  Crushing or grinding machines
8474.30  -  Mixing or kneading machines:
8474.31  --  Concrete or mortar mixers
8474.32  --  Machines for mixing mineral substances with bitumen
8474.39  --  Other
8474.80  -  Other machinery
8474.90  -  Parts

84.75  Machines for assembling electric or electronic lamps, tubes or valves or flashbulbs, in glass envelopes; machines for manufacturing or hot working glass or glassware.

8475.10  -  Machines for assembling electric or electronic lamps, tubes or valves or flashbulbs, in glass envelopes
### 84.76  Automatic goods-vending machines (for example, postage stamp, cigarette, food or beverage machines), including money-changing machines.

- Automatic beverage-vending machines:
  - 8476.21 -- Incorporating heating or refrigerating devices
  - 8476.29 -- Other
  - Other machines:
    - 8476.81 -- Incorporating heating or refrigerating devices
    - 8476.89 -- Other
    - 8476.90 - Parts

### 84.77  Machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in this Chapter.

- Injection-moulding machines
- Extruders
- Blow moulding machines
- Vacuum moulding machines and other thermoforming machines
  - Other machinery for moulding or otherwise forming:
    - For moulding or retreading pneumatic tyres or for moulding or otherwise forming inner tubes
    - Other
    - Other machinery
    - Parts

### 84.78  Machinery for preparing or making up tobacco, not specified or included elsewhere in this Chapter.

- Machinery
- Parts

### 84.79  Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter.

- Machinery for public works, building or the like
- Machinery for the extraction or preparation of animal or fixed vegetable fats or oils
- Presses for the manufacture of particle board or fibre building board of wood or other ligneous materials and other machinery for treating wood or cork
- Rope or cable-making machines
- Industrial robots, not elsewhere specified or included
- Evaporative air coolers
  - Other machines and mechanical appliances:
    - For treating metal, including electric wire coil-winders
    - Mixing, kneading, crushing, grinding, screening, sifting, homogenising, emulsifying or stirring machines
    - Other
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8479.90</td>
<td>Parts</td>
</tr>
<tr>
<td>84.80</td>
<td>Moulding boxes for metal foundry; mould bases; moulding patterns; moulds for metal (other than ingot moulds), metal carbides, glass, mineral materials, rubber or plastics.</td>
</tr>
<tr>
<td>8480.10</td>
<td>Moulding boxes for metal foundry</td>
</tr>
<tr>
<td>8480.20</td>
<td>Mould bases</td>
</tr>
<tr>
<td>8480.30</td>
<td>Moulding patterns</td>
</tr>
<tr>
<td>8480.41</td>
<td>Injection or compression types</td>
</tr>
<tr>
<td>8480.49</td>
<td>Other</td>
</tr>
<tr>
<td>8480.50</td>
<td>Moulds for glass</td>
</tr>
<tr>
<td>8480.60</td>
<td>Moulds for mineral materials</td>
</tr>
<tr>
<td>8480.71</td>
<td>Injection or compression types</td>
</tr>
<tr>
<td>8480.79</td>
<td>Other</td>
</tr>
<tr>
<td>84.81</td>
<td>Taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves.</td>
</tr>
<tr>
<td>8481.10</td>
<td>Pressure-reducing valves</td>
</tr>
<tr>
<td>8481.20</td>
<td>Valves for oleohydraulic or pneumatic transmissions</td>
</tr>
<tr>
<td>8481.30</td>
<td>Check (nonreturn) valves</td>
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<tr>
<td>8481.40</td>
<td>Safety or relief valves</td>
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<tr>
<td>8481.80</td>
<td>Other appliances</td>
</tr>
<tr>
<td>8481.90</td>
<td>Parts</td>
</tr>
<tr>
<td>84.82</td>
<td>Ball or roller bearings.</td>
</tr>
<tr>
<td>8482.10</td>
<td>Ball bearings</td>
</tr>
<tr>
<td>8482.20</td>
<td>Tapered roller bearings, including cone and tapered roller assemblies</td>
</tr>
<tr>
<td>8482.30</td>
<td>Spherical roller bearings</td>
</tr>
<tr>
<td>8482.40</td>
<td>Needle roller bearings</td>
</tr>
<tr>
<td>8482.50</td>
<td>Other cylindrical roller bearings</td>
</tr>
<tr>
<td>8482.80</td>
<td>Other, including combined ball/roller bearings</td>
</tr>
<tr>
<td>8482.91</td>
<td>Balls, needles and rollers</td>
</tr>
<tr>
<td>8482.99</td>
<td>Other</td>
</tr>
<tr>
<td>84.83</td>
<td>Transmission shafts (including cam shafts and crank shafts) and cranks; bearing housings and plain shaft bearings; gears and gearing; ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pulleys, including pulley blocks; clutches and shaft couplings (including universal joints).</td>
</tr>
<tr>
<td>8483.10</td>
<td>Transmission shafts (including cam shafts and crank shafts) and cranks</td>
</tr>
<tr>
<td>8483.20</td>
<td>Bearing housings, incorporating ball or roller bearings</td>
</tr>
<tr>
<td>8483.30</td>
<td>Bearing housings, not incorporating ball or roller bearings; plain shaft bearings</td>
</tr>
<tr>
<td>8483.40</td>
<td>Gears and gearing, other than toothed wheels, chain sprockets and other transmission elements presented separately; ball or roller screws; gear boxes and other speed changers, including torque converters</td>
</tr>
<tr>
<td>8483.50</td>
<td>Flywheels and pulleys, including pulley blocks</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>8483.60</td>
<td>Clutches and shaft couplings (including universal joints)</td>
</tr>
<tr>
<td>8483.90</td>
<td>Toothed wheels, chain sprockets and other transmission elements presented separately; parts</td>
</tr>
<tr>
<td><strong>84.84</strong></td>
<td>Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal; sets or assortments of gaskets and similar joints, dissimilar in composition, put up in pouches, envelopes or similar packings; mechanical seals.</td>
</tr>
<tr>
<td>8484.10</td>
<td>Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal</td>
</tr>
<tr>
<td>8484.20</td>
<td>Mechanical seals</td>
</tr>
<tr>
<td>8484.90</td>
<td>Other</td>
</tr>
<tr>
<td><strong>84.85</strong></td>
<td>Machinery parts, not containing electrical connectors, insulators, coils, contacts or other electrical features, not specified or included elsewhere in this Chapter.</td>
</tr>
<tr>
<td>8485.10</td>
<td>Ships' or boats' propellers and blades therefor</td>
</tr>
<tr>
<td>8485.90</td>
<td>Other</td>
</tr>
</tbody>
</table>