## Chapter 76 Aluminium and Articles Thereof

### Chapter Notes

1. In this chapter, the following expressions have the meanings hereby assigned to them:

* Bars and rods:

Rolled, extruded, drawn or forged products, not in coils, which have a uniform solid cross-section along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons (including 'flattened circles' and 'modified rectangles', of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products with a rectangular (including square), triangular or polygonal cross-section may have corners rounded along their whole length. The thickness of such products which have a rectangular (including 'modified rectangular') cross-section exceeds one-tenth of the width. The expression also covers cast or sintered products, of the same forms and dimensions, which have been subsequently worked after production (otherwise than by simple trimming or de-scaling), provided that they have not thereby assumed the character of articles or products of other headings.

* Profiles:

Rolled, extruded, drawn, forged or formed products, coiled or not, of a uniform cross-section along their whole length, which do not conform to any of the definitions of bars, rods, wire, plates, sheets, strip, foil, tubes or pipes. The expression also covers cast or sintered products, of the same forms, which have been subsequently worked after production (otherwise than by simple trimming or de-scaling), provided that they have not thereby assumed the character of articles or products of other headings.

* Wire:

Rolled, extruded or drawn products, in coils, which have a uniform solid cross-section along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons (including 'flattened circles' and 'modified rectangles', of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products with a rectangular (including square), triangular or polygonal cross-section may have corners rounded along their whole length. The thickness of such products which have a rectangular (including 'modified rectangular') cross-section exceeds one-tenth of the width.

* Plates, sheets, strip and foil:

Flat-surfaced products (other than the unwrought products of heading 7601), coiled or not, of solid rectangular (other than square) cross-section with or without rounded corners (including 'modified rectangles' of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel) of a uniform thickness, which are:

\- of rectangular (including square) shape with a thickness not exceeding one-tenth of the width,

\- of a shape other than rectangular or square, of any size provided that they do not assume the character of articles or products of other headings.

Headings 7606 and 7607 apply "inter alia" to plates, sheets, strip and foil with patterns (for example, grooves, ribs, chequers, tears, buttons, lozenges) and to such products which have been perforated, corrugated, polished or coated, provided that they do not thereby assume the character of articles or products of other headings.

* Tubes and pipes:

Hollow products, coiled or not, which have a uniform cross-section with only one enclosed void along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons, and which have a uniform wall thickness. Products with a rectangular (including square), equilateral triangular or regular convex polygonal cross-section, which may have corners rounded along their whole length, are also to be considered as tubes and pipes provided the inner and outer cross-sections are concentric and have the same form and orientation. Tubes and pipes of the foregoing cross-sections may be polished, coated, bent, threaded, drilled, waisted, expanded, cone-shaped or fitted with flanges, collars or rings.

### Subheading notes

1. In this chapter, the following expressions have the meanings hereby assigned to them:

(a) Aluminium, not alloyed:

* Metal containing by weight at least 99% of aluminium, provided that the content by weight of any other element does not exceed the limit specified in the following table:

(b) Aluminium alloys:

* Metallic substances in which aluminium predominates by weight over each of the other elements, provided that:

(1) the content by weight of at least one of the other elements or of iron plus silicon taken together is greater than the limit specified in the foregoing table, or

(2) the total content by weight of such other elements exceeds 1%.

2. Notwithstanding the provisions of chapter note 1(c), for the purposes of subheading 7616 91 the term 'wire' applies only to products, whether or not in coils, of any cross-sectional shape, of which no cross-sectional dimension exceeds 6 mm.

| Classification | Description |
| --- | --- |
| **7600** | **ALUMINIUM AND ARTICLES THEREOF** |
| **7601** | **Unwrought aluminium** |
| **7601 10 00 00** | **- Aluminium, not alloyed** |
| **7601 20** | **- Aluminium alloys** |
| **7601 20 20** | - - Slabs and billets |
| **7601 20 20 10** | - - - Slabs and billets of aluminium alloy containing lithium |
| **7601 20 20 90** | - - - Other |
| **7601 20 80 00** | - - Other |
| **7602** | **Aluminium waste and scrap** |
|  | **- Waste** |
| **7602 00 11 00** | - - Turnings, shavings, chips, milling waste, sawdust and filings; waste of coloured, coated or bonded sheets and foil, of a thickness (excluding any backing) not exceeding 0.2 mm |
| **7602 00 19 00** | - - Other (including factory rejects) |
| **7602 00 90 00** | **- Scrap** |
| **7603** | **Aluminium powders and flakes** |
| **7603 10 00 00** | **- Powders of non-lamellar structure** |
| **7603 20 00 00** | **- Powders of lamellar structure; flakes** |
| **7604** | **Aluminium bars, rods and profiles** |
| **7604 10** | **- Of aluminium, not alloyed** |
| **7604 10 10 00** | - - Bars and rods |
| **7604 10 90** | - - Profiles |
| **7604 10 90 10** | - - - Bearing a specific manufacture number, for use in certain types of aircraft |
| **7604 10 90 20** | - - - Conical shapes for reinforcing lateral rudders, for use in certain types of aircraft |
| **7604 10 90 90** | - - - Other |
|  | **- Of aluminium alloys** |
| **7604 21 00 00** | - - Hollow profiles |
| **7604 29** | - - Other |
| **7604 29 10** | - - - Bars and rods |
| **7604 29 10 10** | - - - - Sheets and bars of aluminium-lithium alloys |
| **7604 29 10 20** | - - - - Aluminium alloy rods with a diameter of 200 mm or more, but not exceeding 300 mm |
| **7604 29 10 30** | - - - - Aluminium alloy rods with a diameter of 300.1 mm or more, but not more than 533.4 mm |
| **7604 29 10 40** | - - - - Bars and rods of aluminium alloys containing by weight : - 0,25% or more but not more than 7% of zinc, and - 1% or more but not more than 3% of magnesium, and - 1% or more but not more than 5% of copper, and - not more than 1% of manganese consistent with the material specifications AMS QQ-A-225, of a kind used in aerospace industry (inter alia conforming NADCAP and AS9100) and obtained by rolling mill process |
| **7604 29 10 90** | - - - - Other |
| **7604 29 90** | - - - Profiles |
| **7604 29 90 10** | - - - - Bearing a specific manufacture number, for use in certain types of aircraft |
| **7604 29 90 20** | - - - - Conical shapes for reinforcing lateral rudders, for use in certain types of aircraft |
| **7604 29 90 90** | - - - - Other |
| **7605** | **Aluminium wire** |
|  | **- Of aluminium, not alloyed** |
| **7605 11 00 00** | - - Of which the maximum cross-sectional dimension exceeds 7 mm |
| **7605 19** | - - Other |
| **7605 19 00 10** | - - - Not alloyed aluminium wire, of a diameter of 2 mm or more but not more than 6 mm, covered with a layer of copper of a thickness of 0.032 mm or more but not more than 0.117 mm |
| **7605 19 00 90** | - - - Other |
|  | **- Of aluminium alloys** |
| **7605 21 00 00** | - - Of which the maximum cross-sectional dimension exceeds 7 mm |
| **7605 29** | - - Other |
| **7605 29 00 10** | - - - Wire of aluminium alloys containing by weight: - 0,10% or more but not more than 5% of copper, and - 0,2% or more but not more than 6% of magnesium, and - 0,10% or more but not more than 7% of zinc, and - not more than 1% of manganese consistent with the material specifications AMS QQ-A-430, of a kind used in aerospace industry (inter alia conforming NADCAP and AS9100) and obtained by rolling mill process |
| **7605 29 00 90** | - - - Other |
| **7606** | **Aluminium plates, sheets and strip, of a thickness exceeding 0.2 mm** |
|  | **- Rectangular (including square)** |
| **7606 11** | - - Of aluminium, not alloyed |
| **7606 11 10** | - - - Painted, varnished or coated with plastics |
| **7606 11 10 10** | - - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 11 10 90** | - - - - Other |
|  | - - - Other, of a thickness of |
| **7606 11 91** | - - - - Less than 3 mm |
| **7606 11 91 10** | - - - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 11 91 90** | - - - - - Other |
| **7606 11 93** | - - - - Not less than 3 mm but less than 6 mm |
| **7606 11 93 10** | - - - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 11 93 90** | - - - - - Other |
| **7606 11 99** | - - - - Not less than 6 mm |
| **7606 11 99 10** | - - - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 11 99 90** | - - - - - Other |
| **7606 12** | - - Of aluminium alloys |
|  | - - - Beverage can body stock, end stock and tab stock |
| **7606 12 11 00** | - - - - Beverage can body stock |
| **7606 12 19 00** | - - - - Beverage can end stock and tab stock |
|  | - - - Other |
| **7606 12 20** | - - - - Painted, varnished or coated with plastics |
| **7606 12 20 10** | - - - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 12 20 90** | - - - - - Other |
|  | - - - - Other, of a thickness of |
| **7606 12 92** | - - - - - Less than 3 mm |
| **7606 12 92 10** | - - - - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 12 92 90** | - - - - - - Other |
| **7606 12 93** | - - - - - Not less than 3 mm but less than 6 mm |
| **7606 12 93 10** | - - - - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 12 93 90** | - - - - - - Other |
| **7606 12 99** | - - - - - Not less than 6 mm |
| **7606 12 99 10** | - - - - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 12 99 20** | - - - - - - Sheets and bars of aluminium-lithium alloys |
| **7606 12 99 90** | - - - - - - Other |
|  | **- Other** |
| **7606 91** | - - Of aluminium, not alloyed |
| **7606 91 00 10** | - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 91 00 90** | - - - Other |
| **7606 92** | - - Of aluminium alloys |
| **7606 92 00 10** | - - - Plates bearing a specific manufacture number, for use in certain types of aircraft |
| **7606 92 00 90** | - - - Other |
| **7607** | **Aluminium foil (whether or not printed or backed with paper, paperboard, plastics or similar backing materials) of a thickness (excluding any backing) not exceeding 0.2 mm** |
|  | **- Not backed** |
| **7607 11** | - - Rolled but not further worked |
|  | - - - Of a thickness of less than 0.021 mm |
| **7607 11 11** | - - - - In rolls of a weight not exceeding 10 kg |
| **7607 11 11 10** | - - - - - Of a thickness of 0.007 mm or more but less than 0.021 mm |
| **7607 11 11 90** | - - - - - Other |
| **7607 11 19** | - - - - Other |
| **7607 11 19 10** | - - - - - Of a thickness of not less than 0.008 mm and not more than 0.018 mm, in rolls of a width not exceeding 650 mm |
| **7607 11 19 30** | - - - - - Of a thickness of not less than 0.007 mm and less than 0.008 mm, whether or not annealed |
| **7607 11 19 40** | - - - - - Of a thickness of not less than 0.008 mm and not more than 0.018 mm, in rolls of a width exceeding 650 mm, whether or not annealed |
| **7607 11 19 50** | - - - - - Of a thickness of more than 0.018 mm and less than 0.021 mm, whether or not annealed |
| **7607 11 19 60** | - - - - - For other uses than household aluminium foil, - Of a thickness of not less than 0.007 mm and less than 0.008 mm, whether or not annealed, or, - Of a thickness of not less than 0.008 mm and not more than 0.018 mm, in rolls of a width exceeding 650 mm, whether or not annealed, or, - Of a thickness of more than 0.018 mm and less than 0.021 mm, whether or not annealed |
| **7607 11 19 93** | - - - - - Other |
| **7607 11 90** | - - - Of a thickness of not less than 0.021 mm but not more than 0.2 mm |
|  | - - - - Aluminium foil in rolls: - having a purity of 99,99% by weight, - of a thickness of 0.021 mm or more but not more than 0.2 mm, - with a width of 500 mm, - with a surface oxide layer by 3 to 4 nm thick, - and with a cubic texture of more than 95% |
| **7607 11 90 45** | - - - - - Of a thickness of not less than 0.021 mm and not more than 0.045 mm, in rolls of a weight exceeding 10 kg, whether or not annealed, when presented with at least two layers |
| **7607 11 90 47** | - - - - - Of a thickness of not less than 0.021 mm and not more than 0.045 mm, in rolls of a weight exceeding 10 kg, whether or not annealed, when presented with at least two layers, for other uses than aluminium household foil |
| **7607 11 90 57** | - - - - - Other |
| **7607 11 90 60** | - - - - Plain aluminium foil with the following parameters: - an aluminium content of 99,98% or more - a thickness of 0.070 mm or more but not more than 0.125 mm - with a cubic texture of a kind used for high voltage etching |
|  | - - - - Other |
| **7607 11 90 80** | - - - - - Of a thickness of not less than 0.021 mm and not more than 0.045 mm, in rolls of a weight exceeding 10 kg, whether or not annealed, when presented with at least two layers |
| **7607 11 90 82** | - - - - - Of a thickness of not less than 0.021 mm and not more than 0.045 mm, in rolls of a weight exceeding 10 kg, whether or not annealed, when presented with at least two layers, for other uses than aluminium household foil |
| **7607 11 90 83** | - - - - - Aluminium and magnesium alloy strip or foil: - of an alloy conforming to standards 5182-H19 or 5052-H19, - in rolls with an outside diameter of minimum 1 250 mm but not more than 1 350 mm, - of a thickness (tolerance - 0.006 mm) of 0.15 mm, 0.16 mm, 0.18 mm or 0.20 mm, - of a width ( tolerance ± 0.3 mm) of 12.5 mm, 15.0 mm, 16.0 mm, 25.0 mm, 35.0 mm, 50.0 mm or 356 mm,  - having a camber tolerance of not more than 0.4 mm/750 mm, - of a flatness measurement: I-unit ±4, - having a tensile strength of more than (5182-H19) 365 MPa or (5052-H19) 320 MPa, - of an elongation A50 of more than (5182-H19) 3 % or (5052-H19) 2,5 % for use in the manufacture of slats for blinds |
| **7607 11 90 87** | - - - - - Other |
| **7607 19** | - - Other |
| **7607 19 10** | - - - Of a thickness of less than 0.021 mm |
| **7607 19 10 10** | - - - - Of a thickness of 0.007 mm or more but less than 0.021 mm, in rolls of a weight not exceeding 10 kg, not further worked than rolled, embossed |
| **7607 19 10 90** | - - - - Other |
| **7607 19 90** | - - - Of a thickness of not less than 0.021 mm but not more than 0.2 mm |
| **7607 19 90 10** | - - - - Sheet in the form of a roll consisting of a laminate of lithium and manganese bonded to aluminium, with: - a width of 595 mm or more but not more than 605 mm, and - a diameter of 690 mm or more but not more than 710 mm, for use in the manufacture of cathodes for lithium-ion electric rechargeable batteries |
| **7607 19 90 90** | - - - - Other |
| **7607 20** | **- Backed** |
| **7607 20 10 00** | - - Of a thickness (excluding any backing) of less than 0.021 mm |
| **7607 20 90 00** | - - Of a thickness (excluding any backing) of not less than 0.021 mm but not more than 0.2 mm |
| **7608** | **Aluminium tubes and pipes** |
| **7608 10** | **- Of aluminium, not alloyed** |
| **7608 10 00 10** | - - With attached fittings, suitable for conducting gases or liquids, for use in civil aircraft |
| **7608 10 00 20** | - - Tubes and pipes, ready for fitting, usable as hydraulic conduits or as conduits for fuel-oil or lubricants for use in certain types of aircraft |
| **7608 10 00 90** | - - Other |
| **7608 20** | **- Of aluminium alloys** |
| **7608 20 20** | - - Welded |
| **7608 20 20 10** | - - - With attached fittings, suitable for conducting gases or liquids, for use in civil aircraft |
| **7608 20 20 20** | - - - Tubes and pipes, ready for fitting, usable as hydraulic conduits or as conduits for fuel-oil or lubricants for use in certain types of aircraft |
| **7608 20 20 90** | - - - Other |
|  | - - Other |
| **7608 20 81** | - - - Not further worked than extruded |
| **7608 20 81 10** | - - - - With attached fittings, suitable for conducting gases or liquids, for use in civil aircraft |
| **7608 20 81 90** | - - - - Other |
| **7608 20 89** | - - - Other |
| **7608 20 89 10** | - - - - With attached fittings, suitable for conducting gases or liquids, for use in civil aircraft |
| **7608 20 89 20** | - - - - Tubes and pipes, ready for fitting, usable as hydraulic conduits or as conduits for fuel-oil or lubricants for use in certain types of aircraft |
| **7608 20 89 30** | - - - - Seamless aluminium alloyed extruded tubes with: - an outer diameter of 60 mm or more but not more than 420 mm, and - a wall thickness of 10 mm or more but not more than 80 mm |
| **7608 20 89 90** | - - - - Other |
| **7609** | **Aluminium tube or pipe fittings (for example, couplings, elbows, sleeves)** |
| **7609 00 00 10** | **- For use in certain types of aircraft** |
| **7609 00 00 20** | **- Aluminium tube or pipe fittings for affixing to radiators of motor bikes** |
| **7609 00 00 90** | **- Other** |
| **7610** | **Aluminium structures (excluding prefabricated buildings of heading 9406) and parts of structures (for example, bridges and bridge-sections, towers, lattice masts, roofs, roofing frameworks, doors and windows and their frames and thresholds for doors, balustrades, pillars and columns); aluminium plates, rods, profiles, tubes and the like, prepared for use in structures** |
| **7610 10 00 00** | **- Doors, windows and their frames and thresholds for doors** |
| **7610 90** | **- Other** |
| **7610 90 10 00** | - - Bridges and bridge-sections, towers and lattice masts |
| **7610 90 90 00** | - - Other |
| **7611 00 00 00** | **Aluminium reservoirs, tanks, vats and similar containers, for any material (other than compressed or liquefied gas), of a capacity exceeding 300 litres, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment** |
| **7612** | **Aluminium casks, drums, cans, boxes and similar containers (including rigid or collapsible tubular containers), for any material (other than compressed or liquefied gas), of a capacity not exceeding 300 litres, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment** |
| **7612 10 00 00** | **- Collapsible tubular containers** |
| **7612 90** | **- Other** |
| **7612 90 20 00** | - - Containers of a kind used for aerosols |
| **7612 90 30 00** | - - Manufactured from foil of a thickness not exceeding 0.2 mm |
| **7612 90 80 00** | - - Other |
| **7613** | **Aluminium containers for compressed or liquefied gas** |
| **7613 00 00 10** | **- Bottles for inflating escape chutes, intended for use in certain types of aircraft** |
| **7613 00 00 20** | **- Aluminium container, seamless, for compressed natural gas or compressed hydrogen, wholly embedded in an overwrap of epoxy-carbon fibres composite, of a storage capacity of 172 l (± 10%) and an unfilled weight of not more than 64 kg** |
| **7613 00 00 90** | **- Other** |
| **7614** | **Stranded wire, cables, plaited bands and the like, of aluminium, not electrically insulated** |
| **7614 10 00 00** | **- With steel core** |
| **7614 90 00 00** | **- Other** |
| **7615** | **Table, kitchen or other household articles and parts thereof, of aluminium; pot scourers and scouring or polishing pads, gloves and the like, of aluminium; sanitary ware and parts thereof, of aluminium** |
| **7615 10** | **- Table, kitchen or other household articles and parts thereof; pot scourers and scouring or polishing pads, gloves and the like** |
| **7615 10 10** | - - Cast |
| **7615 10 10 10** | - - - Aluminium radiators and elements or sections of which such radiator is composed, whether or not such elements are assembled in blocks |
| **7615 10 10 90** | - - - Other |
| **7615 10 30 00** | - - Manufactured from foil of a thickness not exceeding 0.2 mm |
| **7615 10 80** | - - Other |
| **7615 10 80 10** | - - - Aluminium radiators and elements or sections of which such radiator is composed, whether or not such elements are assembled in blocks |
| **7615 10 80 90** | - - - Other |
| **7615 20 00 00** | **- Sanitary ware and parts thereof** |
| **7616** | **Other articles of aluminium** |
| **7616 10** | **- Nails, tacks, staples (other than those of heading 8305), screws, bolts, nuts, screw hooks, rivets, cotters, cotter pins, washers and similar articles** |
| **7616 10 00 10** | - - Self-locking bolts and nuts (of the type "Hi-lok") |
|  | - - Other |
| **7616 10 00 91** | - - - For use in certain types of aircraft |
| **7616 10 00 99** | - - - Other |
|  | **- Other** |
| **7616 91 00 00** | - - Cloth, grill, netting and fencing, of aluminium wire |
| **7616 99** | - - Other |
| **7616 99 10** | - - - Cast |
| **7616 99 10 10** | - - - - Collars, flanges and other devices for fixing, jointing, clamping or spacing, for use in certain types of aircraft |
| **7616 99 10 20** | - - - - "Quick change" apparatus for transforming passenger transport aeroplanes into goods transport aeroplanes and vice versa, for use in certain types of aircraft |
| **7616 99 10 30** | - - - - Aluminium engine bracket, with dimensions of: - height of more than 10 mm but not more than 200 mm - width of more than 10 mm but not more than 200 mm - length of more than 10 mm but not more than 200 mm equipped with at least two fixing holes, made of aluminium alloys ENAC-46100 or ENAC-42100 (based on the norm EN:1706) with following characteristics: - internal porosity not more than 1 mm; - outer porosity not more than 2 mm; - Rockwell hardness HRB 10 or more of a kind used in the production of suspensions systems for engines in motor vehicles |
|  | - - - - Other |
| **7616 99 10 91** | - - - - - Aluminium radiators and elements or sections of which such radiator is composed, whether or not such elements are assembled in blocks |
| **7616 99 10 99** | - - - - - Other |
| **7616 99 90** | - - - Other |
|  | - - - - Hand-made |
| **7616 99 90 01** | - - - - - Aluminium radiators and elements or sections of which such radiator is composed, whether or not such elements are assembled in blocks |
| **7616 99 90 09** | - - - - - Other |
|  | - - - - Other |
| **7616 99 90 10** | - - - - - Collars, flanges and other devices for fixing, jointing, clamping or spacing, for use in certain types of aircraft |
| **7616 99 90 15** | - - - - - Honeycomb aluminium blocks of the type used in the manufacture of aircraft parts |
| **7616 99 90 20** | - - - - - "Quick change" apparatus for transforming passenger transport aeroplanes into goods transport aeroplanes and vice versa, for use in certain types of aircraft |
| **7616 99 90 25** | - - - - - Metallised film: - consisting of eight or more layers of aluminium (CAS RN 7429-90-5) of a purity of 99,8% or more, - with an optical density of each aluminium layer of not more than 3.0, - with each aluminium layer separated by a resin layer, - on a carrier film of PET, and - on rolls of up to 50 000 metres in length |
| **7616 99 90 30** | - - - - - Plates and sheets of variable thickness of widths of 1 200 mm or more, for use in certain types of aircraft |
| **7616 99 90 60** | - - - - - Disc (target) with deposition material, consisting of molybdenum silicide: - containing 1mg/kg or less of sodium and - mounted on a copper or aluminium support |
| **7616 99 90 70** | - - - - - Connecting components for use in the production of helicopter tail rotor shafts |
| **7616 99 90 77** | - - - - - Television pedestal stands with or without bracket for fixation to and stabilization of television cabinet case/body |
|  | - - - - - Other |
| **7616 99 90 91** | - - - - - - Aluminium radiators and elements or sections of which such radiator is composed, whether or not such elements are assembled in blocks |
| **7616 99 90 99** | - - - - - - Other |