

# Harmonized Tariff Schedule of the United States (2003)

Annotated for Statistical Reporting Purposes

## CHAPTER 76

### ALUMINUM AND ARTICLES THEREOF

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#### Note

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

(a) 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 descaling), provided that they have not thereby assumed the character of articles or products of other headings.

(b) 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 descaling), provided that they have not thereby assumed the character of articles or products of other headings.

(c) 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.

(d) 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, checkers, 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.

(e) 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.

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## Subheading Notes

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

(a) Aluminum, not alloyed

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

TABLE - Other elements

Element	Limiting content percent by weight
Fe + Si (iron plus silicon)	1
Other elements <sup>(1)</sup> , each	0.1 <sup>(2)</sup>

<sup>(1)</sup> Other elements are, for example, Cr, Cu, Mg, Mn, Ni, Zn.

<sup>(2)</sup> Copper is permitted in a proportion greater than 0.1 percent but not more than 0.2 percent, provided that neither the chromium nor manganese content exceeds 0.05 percent.

(b) Aluminum alloys

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

(i) 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

(ii) The total content by weight of such other elements exceeds 1 percent.

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.

## Additional U.S. Note

1. For the purposes of heading 7608, the rate of duty "Free (C)" appearing in the "Special" subcolumn applies only to tubes and pipes with attached fittings, suitable for conducting gases or liquids.

## Statistical Notes

1. For the purposes of this chapter, the term "aluminum vanadium master alloy" refers to aluminum alloys which contain by weight 20 percent or more of vanadium.

2. For the purposes of this chapter, the term "aluminum can stock" refers to sheets and strip in coils, of alloys of aluminum in which either manganese or magnesium is the predominant alloying element, not painted, over 0.175 mm but not over 0.432 mm in thickness, and over 254 mm in width, comprising "body stock and "lid stock" as specified below:

(a) The term "body stock" refers to aluminum can stock having manganese as the predominant alloying element and having a minimum tensile strength of 262 MPa; and

(b) The term "lid stock" refers to aluminum can stock having magnesium as the predominant alloying element and having a minimum tensile strength of 345 MPa.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
7601		Unwrought aluminum:				
7601.10		Aluminum, not alloyed:				
7601.10.30	00	Of uniform cross section throughout its length, the least cross-sectional dimension of which is not greater than 9.5 mm, in coils . . . . .	kg . . . . .	2.6%	Free (A+,CA,D,E,IL,J,JO,MX)	18.5%
7601.10.60	00	Other . . . . .	kg . . . . .	Free		11%
7601.20		Aluminum alloys:				
7601.20.30	00	Of uniform cross section throughout its length, the least cross-sectional dimension of which is not greater than 9.5 mm, in coils . . . . .	kg . . . . .	2.6%	Free (A+,CA,D,E,IL,J,JO,MX)	18.5%
7601.20.60	00	Other: Containing 25 percent or more by weight of silicon . . . . .	kg . . . . .	2.1%	Free (A+,CA,D,E,IL,J,JO,MX)	25%
7601.20.90	30	Other . . . . . Aluminum vanadium master alloy . . . . .	kg . . . . .	Free <sup>1/</sup>		10.5%
	45	Other: Of uniform circular cross section throughout its length, not in coils . . . . .	kg . . . . .			
	60	Other, containing 0.03 percent or more by weight of lead (secondary aluminum) . . . . .	kg . . . . .			
	75	Other: Remelt scrap ingot . . . . .	kg . . . . .			
	90	Other . . . . .	kg . . . . .			
7602.00.00		Aluminum waste and scrap . . . . .		Free		Free
	30	Used beverage container scrap . . . . .	kg . . . . .			
	90	Other . . . . .	kg . . . . .			
7603		Aluminum powders and flakes:				
7603.10.00	00	Powders of non-lamellar structure . . . . .	kg . . . . .	5%	Free (A,CA,E,IL,J,JO,MX)	45%
7603.20.00	00	Powders of lamellar structure; flakes . . . . .	kg . . . . .	3.9%	Free (A,CA,E,IL,J,JO,MX)	11%

<sup>1/</sup> See subheading 9903.27.14.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
7604		Aluminum bars, rods and profiles:				
7604.10		Of aluminum, not alloyed:				
7604.10.10	00	Profiles .....	kg	5%	Free (A,CA,E,IL,J, JO,MX)	45%
7604.10.30		Bars and rods:				
		Having a round cross section .....		2.6%	Free (A*,CA,E,IL, J,JO,MX)	11%
	10	With an outside diameter of less than 10 mm .....	kg			
	50	With an outside diameter of 10 mm or more .....	kg			
7604.10.50		Other .....		3%	Free (A,CA,E,IL, J,JO,MX)	13.5%
	30	With a maximum cross-sectional dimension of less than 10 mm .....	kg			
	60	With a maximum cross-sectional dimension of 10 mm or more .....	kg			
7604.21.00	00	Of aluminum alloys: Hollow profiles .....	kg	1.5%	Free (A+,CA,D,E, IL,J,JO,MX)	15.5%
7604.29		Other:				
7604.29.10	00	Other profiles .....	kg	5%	Free (A,CA,E,IL,J, JO,MX)	45%
7604.29.30		Bars and rods:				
		Having a round cross section .....		2.6%	Free (A*,CA,E,IL, J,JO,MX)	11%
	10	With an outside diameter of less than 10 mm .....	kg			
	50	With an outside diameter of 10 mm or more .....	kg			
7604.29.50		Other .....		3%	Free (A,CA,E,IL,J, JO,MX)	13.5%
	30	With a maximum cross-sectional dimension of less than 10 mm .....	kg			
	60	With a maximum cross-sectional dimension of 10 mm or more .....	kg			

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
7605		Aluminum wire:				
7605.11.00		Of aluminum, not alloyed:				
		Of which the maximum cross-sectional dimension exceeds 7 mm	kg	2.6%	Free (A*,CA,E,IL,J,JO,MX)	11%
	30	Of which the maximum cross-sectional dimension exceeds 9.5 mm	kg			
	90	Other	kg			
7605.19.00	00	Other	kg	4.2%	Free (A,CA,E,IL,J,JO,MX)	25%
7605.21.00		Of aluminum alloys:				
		Of which the maximum cross-sectional dimension exceeds 7 mm	kg	2.6%	Free (A*,CA,E,IL,J,JO,MX)	11%
	30	Of which the maximum cross-sectional dimension exceeds 9.5 mm	kg			
	90	Other	kg			
7605.29.00	00	Other	kg	4.2%	Free (A,CA,E,IL,J,JO,MX)	25%
7606		Aluminum plates, sheets and strip, of a thickness exceeding 0.2 mm:				
7606.11		Rectangular (including square):				
7606.11.30		Of aluminum, not alloyed:				
		Not clad	kg	3%	Free (A,CA,E,IL,J,JO,MX)	13.5%
	30	With a thickness of more than 6.3 mm	kg			
	60	With a thickness of 6.3 mm or less	kg			
7606.11.60	00	Clad	kg	2.7%	Free (A,CA,E,IL,J,JO,MX)	9.5%
7606.12		Of aluminum alloys:				
7606.12.30		Not clad	kg	3%	Free (A,CA,E,IL,J,JO,MX)	13.5%
	30	With a thickness of more than 6.3 mm	kg			
		With a thickness of 6.3 mm or less:				
		Aluminum can stock:				
	45	Body stock	kg			
	55	Lid stock	kg			
	90	Other	kg			
7606.12.60	00	Clad	kg	6.5%	Free (A,CA,E,IL,J,JO,MX) 1.6% (JO)	30%
7606.91		Other:				
7606.91.30		Of aluminum, not alloyed:				
		Not clad	kg	3%	Free (A,CA,E,IL,J,JO,MX)	13.5%
		With a thickness of more than 6.3 mm:				
	30	Circles and discs	kg			
	60	Other	kg			
		With a thickness of 6.3 mm or less:				
	75	Circles and discs	kg			
	90	Other	kg			
7606.91.60		Clad	kg	2.7%	Free (A,CA,E,IL,J,JO,MX)	9.5%
		With a thickness of more than 6.3 mm:				
	20	Circles and discs	kg			
	40	Other	kg			
		With a thickness of 6.3 mm or less:				
	60	Circles and discs	kg			
	80	Other	kg			

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
7606 (con.)		Aluminum plates, sheets and strip, of a thickness exceed- ing 0.2 mm (con.):				
7606.92		Other (con.):				
7606.92.30		Of aluminum alloys:				
		Not clad . . . . .		3%	Free (A,CA,E,IL,J, JO,MX)	13.5%
		With a thickness of more than 6.3 mm:				
	30	Circles and discs . . . . .	kg			
	60	Other . . . . .	kg			
		With a thickness of 6.3 mm or less:				
	75	Circles and discs . . . . .	kg			
	90	Other . . . . .	kg			
7606.92.60		Clad . . . . .		6.5%	Free (A,CA,E,IL,J, MX) 1.6% (JO)	30%
		With a thickness of more than 6.3 mm:				
	20	Circles and discs . . . . .	kg			
	40	Other . . . . .	kg			
		With a thickness of 6.3 mm or less:				
	60	Circles and discs . . . . .	kg			
	80	Other . . . . .	kg			
7607		Aluminum 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:				
		Rolled but not further worked:				
		Of a thickness not exceeding 0.15 mm:				
7607.11		Of a thickness not exceeding 0.01 mm . . .	kg . . . . .	5.8%	Free (A,CA,E,IL,J, MX) 1.4% (JO)	40%
7607.11.30	00					
7607.11.60	00	Of a thickness exceeding 0.01 mm . . . . .	kg . . . . .	5.3%	Free (A,CA,E,IL,J, MX) 1.3% (JO)	40%
7607.11.90		Other . . . . .		3%	Free (A,CA,E,IL,J, JO,MX)	13.5%
		Aluminum can stock:				
	30	Body stock . . . . .	kg			
	60	Lid stock . . . . .	kg			
	90	Other . . . . .	kg			
7607.19		Other:				
7607.19.10	00	Etched capacitor foil . . . . .	kg . . . . .	5.3%	Free (A,CA,E,IL,J, MX) 1.3% (JO)	40%
		Other:				
7607.19.30	00	Cut to shape, of a thickness not exceeding 0.15 mm . . . . .	kg . . . . .	5.7%	Free (A,CA,E,IL,J, MX) 1.4% (JO)	45%
7607.19.60	00	Other . . . . .	kg . . . . .	3%	Free (A,CA,E,IL,J, JO,MX)	13.5%
7607.20		Backed:				
7607.20.10	00	Covered or decorated with a character, design, fancy effect or pattern . . . . .	kg . . . . .	3.7%	Free (A,CA,E,IL,J, JO,MX)	22.5%
7607.20.50	00	Other . . . . .	kg . . . . .	Free		23%

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
7608		Aluminum tubes and pipes:				
7608.10.00		Of aluminum, not alloyed .....		5.7%	Free (A,B,C 1/,CA, E,IL,J,MX) 1.4% (JO)	45%
	30	Seamless .....	kg			
	90	Other .....	kg			
7608.20.00		Of aluminum alloys .....		5.7%	Free (A,B,C 1/,CA, E,IL,J,MX) 1.4% (JO)	45%
	30	Seamless .....	kg			
	90	Other .....	kg			
7609.00.00	00	Aluminum tube or pipe fittings (for example, couplings, elbows, sleeves) .....	kg	5.7%	Free (A,B,CA,E,IL, J,MX) 1.4% (JO)	45%
7610		Aluminum 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); aluminum plates, rods, profiles, tubes and the like, prepar- ed for use in structures:				
7610.10.00		Doors, windows and their frames and thresholds for doors .....		5.7%	Free (A,CA,E,IL,J, MX) 1.4% (JO)	45%
	10	Windows and their frames .....	kg			
	20	Thresholds for doors .....	kg			
	30	Other .....	kg			
7610.90.00		Other .....		5.7%	Free (A,CA,E,IL,J, MX) 1.4% (JO)	45%
	20	Sheet-metal roofing, siding, flooring, and roof guttering and drainage equipment .....	kg			
	40	Architectural and ornamental work .....	kg			
	60	Other: Mobile homes .....	kg			
	80	Other .....	kg			
7611.00.00		Aluminum reservoirs, tanks, vats and similar containers, for any material (other than compressed or liquefied gas), of a capacity exceeding 300 liters, whether or not lined or heat insulated, but not fitted with mechanical or thermal equip- ment .....		2.6%	Free (A,CA,E,IL,J, JO,MX)	45%
	30	Tanks .....	No.			
	90	Other .....	No.			

1/ See additional U.S. note 1 to this chapter.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
7612		Aluminum 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 liters, whether or not lined or heat insulated, but not fitted with mechanical or thermal equipment:				
7612.10.00	00	Collapsible tubular containers . . . . .	No. . . . .	2.4%	Free (A,CA,E,IL,J,JO,MX)	45%
7612.90		Other:				
7612.90.10		Of a capacity not exceeding 20 liters . . . . .		5.7%	Free (A,CA,E,IL,J,JO,MX)	45%
	30	Cans of a capacity not exceeding 355 ml . . . . .	No.		1.4% (JO)	
	60	Cans of a capacity exceeding 355 ml but less than 3.8 liters . . . . .	No.			
	90	Other . . . . .	No.			
7612.90.50	00	Other . . . . .	No. . . . .	Free		25%
7613.00.00	00	Aluminum containers for compressed or liquefied gas . . . . .	No. . . . .	5%	Free (A,CA,E,IL,J,JO,MX)	25%
7614		Stranded wire, cables, plaited bands and the like, including slings and similar articles, of aluminum, not electrically insulated:				
7614.10		With steel core:				
7614.10.10	00	Not fitted with fittings and not made up into articles . . . . .	kg . . . . .	4.9%	Free (A+,CA,D,E,IL,J,JO,MX)	35%
7614.10.50	00	Fitted with fittings or made up into articles . . . . .	kg . . . . .	4.9%	Free (A,B,CA,E,IL,J,JO,MX)	35%
7614.90		Other:				
7614.90.20	00	Not fitted with fittings and not made up into articles: Electrical conductors . . . . .	kg . . . . .	4.9%	Free (A*,CA,E,IL,J,JO,MX)	35%
7614.90.40	00	Other . . . . .	kg . . . . .	4.9%	Free (A+,CA,D,E,IL,J,JO,MX)	35%
7614.90.50	00	Fitted with fittings or made up into articles . . . . .	kg . . . . .	5.7%	Free (A*,B,CA,E,IL,J,JO,MX)	45%



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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
7615		Table, kitchen or other household articles and parts thereof, of aluminum; pot scourers and scouring or polishing pads, gloves and the like, of aluminum; sanitary ware and parts thereof, of aluminum:				
7615.11.00	00	Table, kitchen or other household articles and parts thereof; pot scourers and scouring or polishing pads, gloves and the like:				
		Pot scourers and scouring or polishing pads, gloves and the like .....	kg .....	3.1%	Free (A,CA,E,IL,J,JO,MX)	45.5%
7615.19		Other:				
		Cooking and kitchen ware:				
		Enameled or glazed or containing nonstick interior finishes:				
7615.19.10		Cast .....		3.1%	Free (A,CA,E,IL,J,JO,MX)	45.5%
	15	Bakeware (cookware not suitable for stove top use) .....	No. kg			
	25	Other .....	No. kg			
7615.19.30		Other .....		3.1%	Free (A,CA,E,IL,J,JO,MX)	45.5%
	15	Bakeware (cookware not suitable for stove top use) .....	No. kg			
	25	Other .....	No. kg			
7615.19.50		Not enameled or glazed and not containing nonstick interior finishes:				
		Cast .....		3.1%	Free (A,CA,E,IL,J,JO,MX)	45.5%
	20	Bakeware (cookware not suitable for stove top use) .....	No. kg			
	40	Other .....	No. kg			
7615.19.70		Other .....		3.1%	Free (A,CA,E,IL,J,JO,MX)	45.5%
	35	Cookware:				
		Bakeware (cookware not suitable for stove top use) .....	No. kg			
	45	Other .....	No. kg			
	60	Other .....	No. kg			
7615.19.90	00	Other .....	kg .....	3.1%	Free (A,CA,E,IL,J,JO,MX)	45.5%
7615.20.00	00	Sanitary ware and parts thereof .....	kg .....	3.8%	Free (A,CA,E,IL,J,JO,MX)	45.5%

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				General	Special	
7616		Other articles of aluminum:				
7616.10		Nails, tacks, staples (other than those of heading 8305), screws, bolts, nuts, screw hooks, rivets, cotters, cotter pins, washers and similar articles:				
7616.10.10	00	Nails, tacks and staples . . . . .	kg . . . . .	5.7%	Free (A,CA,E,IL,J, MX) 1.4% (JO)	45%
7616.10.30	00	Rivets . . . . .	kg . . . . .	4.7%	Free (A,B,CA,E,IL, J,JO,MX)	45%
7616.10.50	00	Cotters and cotter pins . . . . .	kg . . . . .	5.7%	Free (A,B,CA,E,IL, J,MX) 1.4% (JO)	45%
7616.10.70		Other:				
		Having shanks, threads or holes over 6 mm in diameter . . . . .		5.5%	Free (A,B,CA,E,IL, J,MX) 1.3% (JO)	45%
	30	Threaded fasteners . . . . .	kg			
	90	Other . . . . .	kg			
7616.10.90		Other . . . . .		6%	Free (A,B,CA,E,IL, J,MX) 1.5% (JO)	45%
	30	Threaded fasteners . . . . .	kg			
	90	Other . . . . .	kg			
7616.91.00	00	Other: Cloth, grill, netting and fencing, of aluminum wire . .	kg . . . . .	2.5%	Free (A,B,CA,E,IL, J,JO,MX)	45%
7616.99		Other:				
7616.99.10	00	Luggage frames . . . . .	kg . . . . .	Free		45%
7616.99.50		Other . . . . .		2.5%	Free (A,B,CA,E,IL, J,JO,MX)	45%
	20	Laminated goods consisting of 2 or more flat-rolled sheets of aluminum held together with an adhesive or having a core of non-metallic material . . . . .	kg			
	30	Ladders . . . . .	No.			
	40	Venetian blinds and parts thereof . . . . .	X			
	50	Hangers and supports for pipes and tubes . . . . .	kg			
		Other:				
	60	Castings . . . . .	kg			
	70	Forgings . . . . .	kg			
		Other:				
	75	Articles of wire . . . . .	kg			
	90	Other . . . . .	kg			