

CHAPTER 81  
OTHER BASE METALS; CERMETS; ARTICLES THEREOF

Subheading Note

1. Note 1 to chapter 74, defining "bars and rods", "profiles", "wire", and "plates, sheets, strip and foil" applies, mutatis mutandis, to this chapter.

Additional U.S. Notes

1. Alloys of each of the base metals provided for in chapter 81 are metals in which the content of the respective base metal is, by weight, less than 99 percent, but not less than any other metallic element.
2. For the purposes of subheading 8108.90.60, 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.

8101	Tungsten (wolfram) and articles thereof, including waste and scrap:						
8101.10.00	00	Powders.....	kg.....v	7.7%	Free	(A+,CA,E,IL, 58% J,MX)	
		tungsten content..	kg				
8101.91	Other: Unwrought tungsten, including bars and rods obtained simply by sintering; waste and scrap:						
8101.91.10	00	Waste and scrap.....	kg.....v	3.1%	Free	(A,CA,E,IL,J, 50% MX)	
		tungsten content..	kg				
8101.91.50	00	Unwrought.....	kg.....	6.6%	Free	(A+,CA,E,IL, 60% J,MX)	
8101.92.00	00	Bars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil.....	kg.....	6.5%	Free	(A+,CA,E,IL, 60% J,MX)	
8101.93.00	00	Wire.....	kg.....	4.8%	Free	(A+,CA,E,IL, 60% J,MX)	
8101.99.00	00	Other.....	kg.....	4.1%	Free	(A,CA,E,IL,J, 45% MX)	
8102	Molybdenum and articles thereof, including waste and scrap:						
8102.10.00	00	Powders.....	kg.....v	10.1¢/kg on molybdenum content + 1.3%	Free	(A+,CA,E,IL, J,MX)	\$1.10/kg on molybdenum content + 15%
		molybdenum content..	kg				
8102.91	Other: Unwrought molybdenum, including bars and rods obtained simply by sintering; waste and scrap:						
8102.91.10	00	Unwrought.....	kg.....v	13.9¢/kg on molybdenum content + 1.9%	Free	(A+,CA,E,IL, J,MX)	\$1.10/kg on molybdenum content + 15%
		molybdenum content..	kg				
8102.91.50	00	Waste and scrap.....	kg.....v	Free			Free
		molybdenum content..	kg				
8102.92	Bars and rods, other than those obtained simply by sintering, profiles, plates, sheets, strip and foil:						
8102.92.30	00	Bars and rods.....	kg.....	6.6%	Free	(A,CA,E,IL,J, 60% MX)	
8102.92.60	00	Other.....	kg.....	6.6%	Free	(A,CA,E,IL,J, 60% MX)	
8102.93.00	00	Wire.....	kg.....	4.8%	Free	(A,CA,E,IL,J, 60% MX)	
8102.99.00	00	Other.....	kg.....	4.1%	Free	(A,CA,E,IL,J, 45% MX)	
8103	Tantalum and articles thereof, including waste and scrap:						
8103.10	Unwrought tantalum, including bars and rods obtained simply by sintering; waste and scrap; powders:						
8103.10.30	00	Waste and scrap.....	kg.....	Free			Free
8103.10.60		Other.....		2.7%	Free	(A,CA,E,IL,J, 25% MX)	
	30	Powders.....	kg				
	90	Other.....	kg				
8103.90.00	00	Other.....	kg.....	4.6%	Free	(A,CA,E,IL,J, 45% MX)	

8104		Magnesium and articles thereof, including waste and scrap:				
		Unwrought magnesium:				
8104.11.00	00	Containing at least 99.8 percent by weight of magnesium.....	kg.....	8%	Free (A*,CA,E,IL,J,MX)	100%
8104.19.00	00	Other.....	kg.....v	6.5%	Free (A+,CA,E,IL,J,MX)	60.5%
		magnesium content....	kg			
8104.20.00	00	Waste and scrap.....	kg.....	Free		Free
8104.30.00	00	Raspings, turnings and granules, graded according to size; powders.....	kg.....v	4.8%	Free (A+,CA,E,IL,J,MX)	60.5%
		magnesium content....	kg			
8104.90.00	00	Other.....	kg.....v	14.8¢/kg on magnesium content + content +	Free (A,B,CA,E,IL,J,MX)	88¢/kg on magnesium
		magnesium content....	kg			
				3.5%		20%
8105		Cobalt mattes and other intermediate products of cobalt metallurgy; cobalt and articles thereof, including waste and scrap:				
8105.10		Cobalt mattes and other intermediate products of cobalt metallurgy; unwrought cobalt; waste and scrap; powders:				
		Unwrought cobalt:				
8105.10.30	00	Alloys.....	kg.....	4.6%	Free (A+,CA,E,IL,J,MX)	45%
8105.10.60	00	Other.....	kg.....	Free		Free
8105.10.90	00	Other.....	kg.....	Free		Free
8105.90.00	00	Other.....	kg.....	4.1%	Free (A,CA,E,IL,J,MX)	45%
8106.00.00	00	Bismuth and articles thereof, including waste and scrap.....	kg.....	Free		7.5%
8107		Cadmium and articles thereof, including waste and scrap:				
8107.10.00	00	Unwrought cadmium; waste and scrap; powders...	kg.....	Free		33¢/kg
8107.90.00	00	Other.....	kg.....	4.6%	Free (A,CA,E,IL,J,MX)	45%
8108		Titanium and articles thereof, including waste and scrap:				
8108.10		Unwrought titanium; waste and scrap; powders:				
8108.10.10	00	Waste and scrap.....	kg.....	Free		Free
8108.10.50		Other.....		15%	Free (A+,CA,E,IL,J,MX)	25%
	10	Sponge.....	kg			
		Other:				
	15	Powders.....	kg			
	30	Ingots.....	kg			
	45	Billets.....	kg			
	60	Blooms, sheet bars and slabs...	kg			
	90	Other.....	kg			
8108.90		Other:				
8108.90.30		Articles of titanium.....		5.5%	Free (A,CA,E,IL,J,MX)	45%
	30	Castings.....	kg			
	60	Other.....	kg			
8108.90.60		Other.....		15%	Free (A,C 1/,CA,E,IL,J,MX)	45%
	30	Bars, rods, profiles and wire.....	kg			
	45	Plates, sheets, strips and foil.....	kg			
	60	Tubes and pipes.....	kg			
	75	Other.....	kg			

1/ See additional U.S. note 2 to this chapter.

8109		Zirconium and articles thereof, including waste and scrap:					
8109.10		Unwrought zirconium; waste and scrap; powders:					
8109.10.30	00	Waste and scrap.....	kg.....	Free		Free	(A+, CA, E, IL, 25% J, MX)
8109.10.60	00	Other.....	kg.....	4.2%		Free	(A, CA, E, IL, J, 45% MX)
8109.90.00	00	Other.....	kg.....	4.1%		Free	(A, CA, E, IL, J, 45% MX)
8110.00.00	00	Antimony and articles thereof, including waste and scrap.....	kg.....	Free			4.4¢/kg
8111.00		Manganese and articles thereof, including waste and scrap:					
8111.00.30	00	Waste and scrap.....	kg.....	Free			Free
8111.00.45	00	Other: Unwrought manganese.....	kg.....	14%		Free	(A+, CA, E, IL, 20% J, MX)
8111.00.60	00	Other.....	kg.....	4.1%		Free	(A, CA, E, IL, J, 45% MX)
8112		Beryllium, chromium, germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium and thallium, and articles of these metals, including waste and scrap:					
		Beryllium:					
8112.11		Unwrought; waste and scrap; powders:					
8112.11.30	00	Waste and scrap.....	kg.....	Free			Free
8112.11.60	00	Other.....	kg.....	8.5%		Free	(A, CA, E, IL, 25% J, MX)
8112.19.00	00	Other.....	kg.....	5.5%		Free	(A, CA, E, IL, J, 45% MX)
8112.20		Chromium:					
8112.20.30	00	Waste and scrap.....	kg.....	Free			Free
8112.20.60	00	Other.....	kg.....	3.1%		Free	(A, CA, E, IL, J, 30% MX)
8112.30		Germanium:					
8112.30.30	00	Waste and scrap.....	kg.....	Free			Free
8112.30.60	00	Other: Unwrought.....	kg.....	2.8%		Free	(A*, CA, E, IL, 25% J, MX)
8112.30.90	00	Other.....	kg.....	4.6%		Free	(A, CA, E, IL, J, 45% MX)
8112.40		Vanadium:					
8112.40.30	00	Waste and scrap.....	kg.....v	Free			Free
8112.40.60	00	Other.....	kg.....v	2.2%		Free	(A+, CA, E, IL, 25% J, MX)
		Other:					
8112.91		Unwrought; waste and scrap; powders:					
8112.91.05	00	Waste and scrap.....	kg.....	Free			Free
8112.91.10	00	Other: Gallium.....	kg.....	3.1%		Free	(A, CA, E, IL, J, 25% MX)
8112.91.20	00	Hafnium.....	kg.....	Free			25%
8112.91.30	00	Indium.....	kg.....	Free			25%
8112.91.40	00	Niobium (columbium).....	kg.....	4.9%		Free	(A+, CA, E, IL, 25% J, MX)
8112.91.50	00	Rhenium.....	kg.....	3.1%		Free	(A, CA, E, IL, J, 25% MX)
8112.91.60	00	Thallium.....	kg.....	4.3%		Free	(A+, CA, E, IL, 25% J, MX)
8112.99.00	00	Other.....	kg.....	4.3%		Free	(A, CA, E, IL, J, 45% MX)
8113.00.00	00	Cermets and articles thereof, including waste and scrap.....	kg.....	4.1%		Free	(A, CA, E, IL, J, 45% MX)