Ti/Titanium clad Cu/copper anode flat (rectangle) and round bars and rods with material Ti Gr1 or Gr2 and copper T2 or TU2 for anode electroplating and PCB and electrolysis industry

Clad material: Ti acc. to No. 37025 or 37025 or 3.7055,, ASTM B 265 Grade 1
Core material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No. C 11000
acc. to SE-Cu, CU-HCP, CW021A, UNS No.C 10300
Dimensions:

Form	Dimension in mm	Dimension in inch
Round	6,35 - 78mm	1/4" - 3"
Rectangle-flat	up to 20 x 120 mm	up to 0.8" x 4"

Zr/Zirconium clad Cu/copper flat (rectangle) and round bars and rods with material Zr702 and copper T2 or TU2

Clad material: Zr702 acc. to ASTM B523/ASME SB523 DIN 2462 D3/T3 or closer
Core material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No. C 11000
acc. to SE-Cu, CU-HCP, CW021A, UNS No.C 10300
Dimensions:

Form	Dimension in mm	Dimension in inch
Round	6,35 - 78mm	1/4" - 3"
Rectangle-flat	up to 20 x 120 mm	up to 0.8" x4"

Stainless-steel/Steel clad Cu/copper flat (rectangle) and round bars and rods by compound extrusion presses for electroplating and electrolysis metal

Clad material: Stainless-steel 316L 304
Core material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No.C 11000
acc. to SE-Cu, CU-HCP, CW021A, UNS No.C 10300
Dimensions:

Form	Dimension in mm	Dimension in inch
Round	6,35 - 78mm	1/4" - 3"
Rectangle-flat	up to 20 x 120 mm	up to 0.8" x 4"

Ti clad copper sheets and plates with material Ti Gr1 or Gr2 and copper T2 or TU2 by explosion cladding for two layers or three layers

Clad material: Ti acc. to No. 37025 or 37025 or 3.7055,, ASTM B 265 Grade 1
Core material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No. C 11000
acc. to SE-Cu, CU-HCP, CW021A, UNS No.C 10300
Thickness: custom-made size available
Dimension: custom-made size available
Process: explosive cladding

Titanium clad copper round wires and coils with OD3 OD4 OD5 OD6 OD6.35 with material Gr1 or Gr2 and copper T2 or TU2

Clad material: Ti acc. to No. 37025 or 37025 or 3.7055,, ASTM B 265 Grade 1

Core material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No. C 11000

acc. to SE-Cu, CU-HCP, CW021A, UNS No. C 10300

Dimensions: 2 – 6.35 mm 0,078" – 1/4"

Titanium clad copper round pipes and tubes with material Gr1 or Gr2 and copper T2 or TU2

Clad material: Ti acc. to No. 37025 or 37025 or 3.7055,, ASTM B 265 Grade 1

Core material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No. C 11000

acc. to SE-Cu, CU-HCP, CW021A, UNS No.C 10300

Dimensions:

Form	Dimension in mm	Dimension in inch
Round	OD10-OD100	0.4”-4”

Ti/Titanium clad Cu/copper clad steel round and flat (rectangle) bars and rods for three layers by explosion cladding

Clad material: Ti acc. to No. 37025 or 37025 or 3.7055,, ASTM B 265 Grade 1

Core material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No.C 11000

acc. to SE-Cu, CU-HCP, CW021A, UNS No.C 10300

Stainless-steel 316L 304

Form	Dimension in mm	Dimension in inch
Round	6,35 - 78mm	1/4” - 3”
Rectangle-flat	up to 20 x 120 mm	up to 0.8" x 4 “

Plantinized titanium anodes for electroplating, water treatment, and other electronic applications

Ti Content (%):99.7% Gr1

Material: Gr1titanium as substrate

Coating: platinum coating

Coating Thickness: 0-20μm/

Dimension: custom-made size available

Temperature: <60°C

PH Value: 1-12

Ruthenium oxide coated titanium anodes for electroplating, water treatment, and other electronic applications

Ti Content (%):99.7% Gr1

Material: Gr1titanium as substrate

Coating: Ru oxide coating

Coating Thickness: 0-20μm/

Dimension: custom-made size available

Temperature: <60°C

PH Value: 1-12

Ruthenium coated Titanium Anodes are a type of mixed-metal oxide (MMO) anode used in

electroplating, water treatment, and other electronic applications. Ruthenium coated Titanium Anodes are generally immediately available in most volumes and can be fabricated in forms such as sheet, mesh, perforated plate, rod, or wire. American Elements can produce most materials in high purity and ultra high purity?(up to 99.99999%) forms and follows applicable ASTM testing standards

Ir-Ta coated titanium anodes for electroplating, water treatment, and other electronic applications

Ti Content (%): 99.7% Gr1

Material: Gr1titanium as substrate

Coating: Iridium-Tantalum oxide coating

Coating Thickness: 0-20μm/

Shape: rod type

Dimension: custom-made size available

Current density: ≤2000A/M2

Temperature: <60°C

PH Value: 1-12

Iridium oxide coated titanium anodes for electroplating, water treatment, and other electronic applications

Ti Content (%): 99.7% Gr1

Material: Gr1titanium as substrate

Coating: IrO+TaO coating

Coating Thickness: 0-20μm/

Current density:≤2000A/M2

Temperature: <60°C

PH Value: 1-12

Niobium/Nb and Nickel/Niand Tantalum /Ta clad copper/Cu round or rectangle-flat bars and rods with material Nb and copper T2 and TU2

Clad material: Nb, Ni,Ta

Core material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No. C 11000
acc. to SE-Cu, CU-HCP, CW021A, UNS No.C 10300

Dimensions:

Form	Dimension in mm	Dimension in inch
Round	6,35 - 78mm	1/4” - 3”
Rectangle-flat	up to 20 x 120 mm	up to 0.8" x 4

Titanium clad aluminum round and rectangle-flat bars and rods with material Ti Gr1 or Gr2 and Al 1050/1060/1100 for anode electroplating

Titanium clad aluminum bars

Clad material: Ti acc. to No. 37025 or 37025 or 3.7055,, ASTM B 265 Grade 1

Core material: Al acc. to 1050、1060、1100

Dimensions:

Form	Dimension in mm	Dimension in inch

Round	6.35 - 78mm	1/4” - 3”
Rectangle-flat	up to 20 x 120 mm	up to 0.8" x 4 “

Round or rectangle-flat SS/Steel clad Alu/Aluminum bars and rods with material SS304 or 316L and Al 1050/1060/1100

Clad material: SUS 316L 304

Core material: Al 1050、1060、1100

Dimensions:

Form	Dimension in mm	Dimension in inch
Round	6.35 - 78mm	1/4” - 3”
Rectangle-flat	up to 20 x 120 mm	up to 0.8" x 4 ”

Flat (rectangle) and round copper/Cu clad Stainless-steel/steel/SS bars and tubes and rods by compound extrusion presses for electroplating and electrolysis metal with material copper T2 and TU2 and SS304 or 316L

Clad material: Cu acc. to E-Cu58, CU-ETP, CW004A, UNS No. C 11000
acc. to SE-Cu, CU-HCP, CW021A, UNS No. C 10300

Core material: SUS 316L 304

Dimensions:

Form	Dimension in mm	Dimension in inch
Round	6.35 - 78mm	1/4” - 3”
Rectangle-flat	up to 20 x 120 mm	up to 0.8" x 4 ”

Titanium sheets and plates with standards ASTM B265 ASME SB265 Gr1, Gr2, Gr3, Gr4, Gr7

Material: Ti Gr1, Gr2，Gr3, Gr7, etc.

Standards: ASTM B265, ASME SB265, etc

Surface: polished

ASTM Gr1, Gr2 seamless and welded titanium round and square tubes and pipes

Standards: ASTM B337, ASTM B338, etc

Material: Gr1, Gr2, etc.

Specification：Diameter19(0.75”), Diameter25(1.0”), or built to order

Shape: round, square

ASTM Gr1,Gr2 round or flat(rectangle) titanium bars as ASTM B348、ASTM F136、ASTM F67

Material: Gr1, Gr2， etc.

Standards: ASTM B348、ASTM F136、ASTM F67,etc

Specification：Diamter2-Diameter65 or built to order

Surface: polished

Shape: round, rectangle/flat

Round and rectangle-flat titanium baskets/meshes and bags for electrolytic copper foil or copper electrowinning

Material : Ti，
Mesh size: 3*6, 4*8, 5*10, 6*12,etc
Sheet thickness: 1.0mm, 1.2mm, 1.5mm, etc
Mesh thickness: 1.0mm, 1.2mm, etc
Shape: round, rectangle/flat

Titanium meshes with material ASTM Gr1, Gr2

Material : Ti，Gr1, Gr2
Standards: ASTM B265, ASME SB265, etc
Thickness: 0.3mm up to 20mm
Dimension: custom-made size available
Mesh open size: 3*2 3*6, 4*8, 5*10, 6*12, etc

Titanium wires annealed and cleaned as ASTM Gr1, Gr2, Ti-6AL-4V round titanium wires

Material : Ti，Gr1, Gr2,Gr3, Gr4, Gr5, Gr23, etc
Diameter: 0.5mm-7mm
Standards: AWS A5.16,?ASTM B863
Ti Wire Types: Ti Wire Coil, Ti Wire Spool, Ti Wire Straight

Ti/ Titanium heating Coils for heating and cooling systems with material ASTM Gr1, Gr2

Material Type: Ti, Zr, Nb, Ta or SS
Coil Style: G = Grid; S = Serpentine; H = Helical; U = “U”
Orientation: H = Horizontal; V = Vertical; B = Bottom Mount
Length of Coil (as required)
Riser Length (as below) can be special ordered

Titanium fasteners as titanium bolts, titanium nuts, titanium washers, titanium tabs, titanium hook support straps, titanium gussets

Material : Ti，Gr1, Gr2
Types: bolts, threaded studs, washers, screws, nuts
Standard: DIN, ISO, JIS, BS

Other titanium products as titanium disks, titanium racks, titanium tabs, titanium gussets, titanium hook support straps

Material : Ti，Gr1, Gr2,Gr3, Gr7
Types: tabs, gussets, hook support straps, racks, disks, etc
Standard: ASTM B265