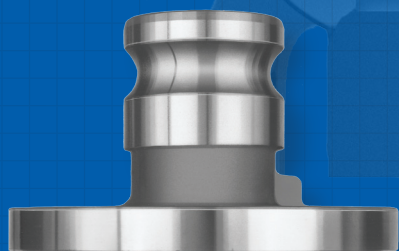
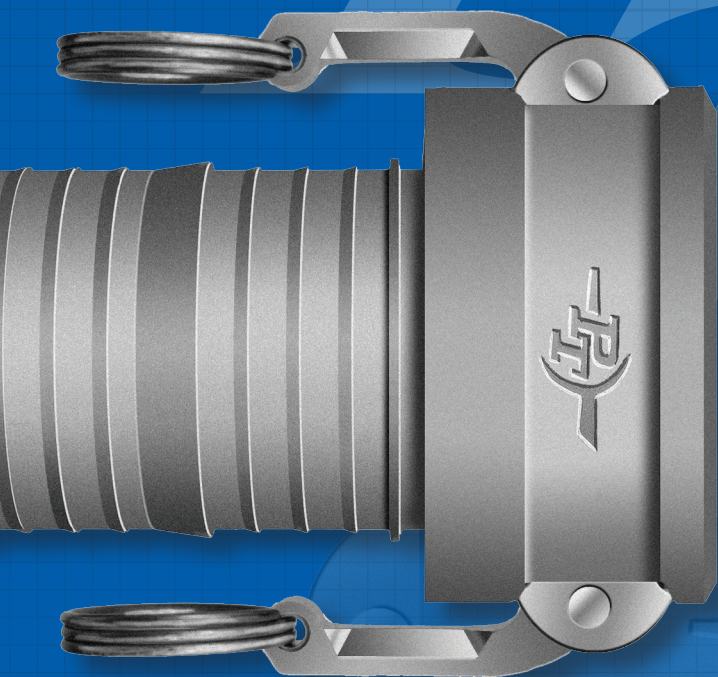




PT Coupling Company www.ptcoupling.com



CONQUER CORROSION with PT Corrosion Resistant Products with Tantalum

PT Coupling's tantalum treated cam & groove couplings offer the most corrosion resistant cam & groove couplings commercially available. PT Coupling and Tantaline are able to offer a wide variety of corrosion resistant couplers, adapters and specialty fittings for the most corrosive applications.

These corrosion resistant cam & groove couplings are designed for hot acid applications in highly corrosive media including hydrochloric acid and sulfuric acid. Tantalum corrosion resistant cam & groove couplings offer a corrosion resistance beyond nickel alloys (Hastelloy), Titanium (Ti) and Zirconium (Zr).

Corrosion Resistant Cam & Groove Couplings



MADE in USA / 1-800-654-0320 / WWW.PTCOUPPING.COM

CORROSION RESISTANT CAM & GROOVE COUPLINGS

A-ADAPTER ADAPTER X FEMALE NPT THREAD

Made in U.S.A.



Size	Item #	Part #
1"	3500110	10A
1 1/2"	3500115	15A
2"	3500120	20A
3"	3500130	30A

B-COUPLER COUPLER X MALE NPT THREAD

Made in U.S.A.



Size	Item #	Part #
1"	3500210	10B
1 1/2"	3500215	15B
2"	3500220	20B
3"	3500230	30B

C-COUPLER COUPLER X HOSE SHANK

Made in U.S.A.



Size	Item #	Part #
1"	3500310	10C
1 1/2"	3500315	15C
2"	3500320	20C
3"	3500330	30C

D-COUPLER COUPLER X FEMALE NPT THREAD

Made in U.S.A.



Size	Item #	Part #
1"	3500410	10D
1 1/2"	3500415	15D
2"	3500420	20D
3"	3500430	30D

E-ADAPTER ADAPTER X HOSE SHANK

Made in U.S.A.



Size	Item #	Part #
1"	3500510	10E
1 1/2"	3500515	15E
2"	3500520	20E
3"	3500530	30E

F-ADAPTER ADAPTER X MALE NPT THREAD

Made in U.S.A.



Size	Item #	Part #
1"	3500610	10F
1 1/2"	3500615	15F
2"	3500620	20F
3"	3500630	30F

V-COUPLER DUST CAP

Made in U.S.A.



Size	Item #	Part #
1"	3501110	10V
2"	3501120	20V

W-ADAPTER DUST PLUG

Made in U.S.A.



Size	Item #	Part #
1"	3501210	10W
2"	3501220	20W

*Standard assemblies of cam and pins are 316 Stainless Steel. Optional assemblies available in hastelloy.

BEST CORROSION RESISTANCE - Tantaline products have all the chemical properties of tantalum metal and inert to almost any acid, including hydrochloric acid, sulphuric acid and nitric acid at temperatures as high as 300°C.

LONGER PRODUCT LIFE - A Tantaline solution has a product lifetime that is many times longer than other specialty metals and PTFE.

LESS MAINTENANCE - A Tantaline solution requires less maintenance than other materials in highly corrosive environments.

IMPROVES SAFETY - If safety is important to your company culture, a Tantaline solution provides the most corrosion protection possible and can be combined with various metal substrates and PTFE for the most aggressive and lethal applications.



TANTALINE

KEY BENEFITS

Media where Tantaline shows immunity [the immunity is valid up to at least 150°C (302°F), unless otherwise noted]:

Acetic acid	Chromic acid	Motor fuels	Sodium acetate
Acetic anhydride	Chrome plating solutions	Nickel salts	Sodium aluminate
Acetone	Citric acid	Nitric acid	Sodium bisulfate, solution
Alcohols	Cleaning solutions	Nitric acid, fuming	Sodium bromide
Aldehydes	Copper salts	Nitric oxides	Sodium chlorate
Aluminum chloride	Dichloroacetic acid	Nitrogen, <300°C (570°F)	Sodium chloride
Aluminum nitrate	Dimethylformaldehyde	Nitrous acid	Sodium citrate
Aluminum sulfate	Ethylene dibromide	Nitrosyl chloride	Sodium cyanide
Amines	Ethyl sulfate	Organic chlorides	Sodium dichromate
Ammonium bicarbonate	Fatty acids	Organic acids	Sodium hypochlorite
Ammonium carbonate	Ferric chloride	Organic esters	Sodium nitrate
Ammonium chloride	Ferric sulfate	Organic salts	Sodium nitrite
Ammonium nitrate	Ferrous sulfate	Oxalic acid	Sodium phosphate
Ammonium acid phosphate	Food stuffs	Oxygen, <300°C (570°F)	Sodium silicate
Ammonium phosphate	Formaldehyde	Pechloric acid	Sodium sulfate
Ammonium sulfate	Formic acid	Petroleum products	Sodium sulfide
Amyl acetate or chloride	Fruits	Phenol	Sodium sulfite
Aniline hydrochloride	Glycerine	Phosphoric acid, <4ppmF, <180°C	Sodium thiosulfate
Aqua regia	Graphite, <1000°C	Phosphorus, <700°C (1290°F)	Stearic acid
Barium carbonate	Hydroiodic acid	Phosphorus chlorides	Succinic acid
Barium chloride	Hydrobromic acid	Phosphorus oxychloride	Sugar
Barium hydroxide	Hydrocarbons	Phthalic anhydride	Sulfamic acid
Barium nitrate	Hydrochloric acid	Pickling acids, except HNO ₃ -HF	Sulfur, <500°C (930°F)
Benzoic acid	Hydrogen bromide, <400°C	Potassium bromide	Sulfur chlorides
Body fluids	Hydrogen chloride, <350°C	Potassium chloride	Sulfur dioxide
Boric acid	Hydrogen iodide	Potassium dichromate	Sulfuric acid, to 175°C (350°F)
Bromine, dry, <300°C (570°F)	Hydrogen peroxide	Potassium ferricyanide	Sulfurous acid
Bromine, wet	Hydrogen sulfide	Potassium iodine-iodine	Sulfuryl chloride
Butyric acid	Hydroxyacetic acid	Potassium nitrate	Tannic acid
Calcium bicarbonate	Hypochlorous acid	Potassium permanganate	Tartaric acid
Calcium bisulfates	Iodine, <300°C (570°F)	Potassium sulfate	Thioinyl chloride
Calcium bisulfites	Ketones	Potassium thiosulfate	Tin salts
Calcium carbonate	Lactic acid	Propionic acid	Zinc chloride
Calcium chloride	Lead salts	Refrigerants	Zinc sulphate
Calcium hydroxide	Magnesium chloride	Sea water	
Calcium hypochlorite	Magnesium hydroxide	Silver nitrate	
Carbolic acid	Magnesium sulfate		
Carbon dioxide	Maleic acid		
Chloric acid	Manganous chloride		
Chlorinated brine	Methyl alcohol		
Chlorine, dry, <250°C (480°F)	Methylsulfuric acid		
Chlorine, wet, <350°C (662°F)	Milk		
Chlorine oxides	Mineral oils		
Chloroacetic acid	Mixed acids (sulfuric-nitric)		

PFA ADAPTER X PIPE FLANGE

Made in U.S.A.



Size	Item #	Part #
1"	35521000	PF10A
2"	35522000	PF20A

Tantaline shows limited resistance in the following media:

Ammonia
Ammonium hydroxide
Fluoride salt
Hydrofluoric acid
Hydrogen, <300°C (570°F)
Hydrogen fluoride
Oleum (fuming sulfuric acid)
Potassium carbonate
Potassium hydroxide, dilute
Potassium hydroxide, conc.
Potassium pyrosulfate, molten
Sodium bisulfate, molten
Sodium carbonate
Sodium hydroxide, dilute
Sodium hydroxide, conc.
Sodium pyrosulfate, molten
Sulfur trioxide
Sulfuric acid, >175°C (350°F)

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