

使用于爆破片夹持器的 TANTALINE® 表面合金

描述

Fike 提供一个独特的、经表面合金处理过的爆破片夹持器选项，适用于对抗腐蚀有极度要求的应用。下夹持器的湿润表面 (和上夹持器，如指明) 是 100% 使用受专利保护的 Tantaline 工艺处理，达到纯钽表面合金厚度 50 μm (0.002")，冶金达到基底材料 (316 不锈钢)。所有处理过的部分都是 100% 通过热盐酸测试。

Tantaline 处理过的爆破片夹持器具经济效益，是固体钽和其他特种合金的代用品。Fike 会在报价时提供价格和制造所需的时间。

规格

以下是标准的爆破片夹持器型号，口径和法兰等级：

插入型夹持器

口径:	.50 IN - 8 IN (DN15-DN200)
型号:	Poly-SD, SRX, XL, (1.50 IN (DN40) SRL)
等级:	ANSI 150

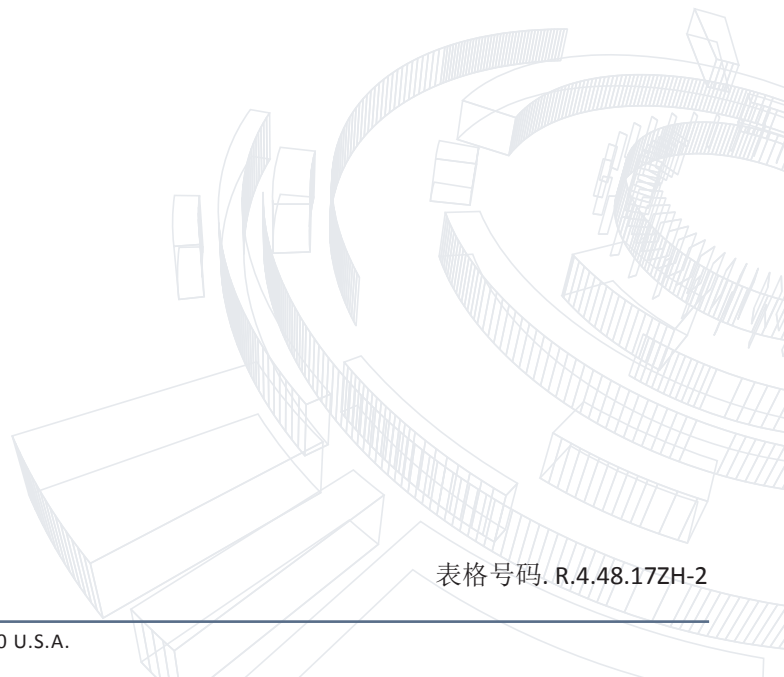
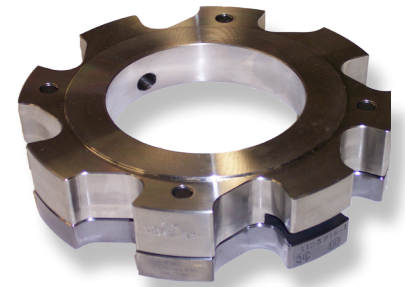
TQ+, TQ 预扭矩系列夹持器

口径:	TQ+: 1 IN - 6 IN (DN25-DN150) TQ: 8 IN (DN200)
型号:	Poly-SD, SRX, XL, (1.50 IN (DN40) SRL)
等级:	ANSI 150/300 1 IN - 3 IN (DN25-DN80), ANSI 150 4 IN - 8 IN (DN100-DN200)

口径限制: 10 IN + 12 IN 150 ANSI 或相等的 OD 口径有供应，但不是标准的。详情请向厂商咨询。

注释:

对 XL, SRL, SRX, 和 POLY-SD 夹持器经 Tantaline 处理的基座，在坐位处带 O 形圈凹槽是标准的，以协助保留腐蚀性流体防止形成泄漏通道。Fike 供应的 O 形圈材料包括 Viton®, Teflon®, 和 Teflon 封装 Viton。关于 O 形圈的详情，参见附件数据页 (R.4.16.17ZH)。



表格号码. R.4.48.17ZH-2

TANTALINE 对以下介质免疫

免疫在至少 302°F (150°C) 是有效的，除非另行声明。

Acetic acid	Chlorinated brine	Magnesium hydroxide	Potassium thiosulfate
Acetic anhydride	Chlorine, dry, <480°F (250°C)	Magnesium sulfate	Propionic acid
Acetone	Chlorine, wet, <660°F (350°C)	Maleic acid	Refrigerants
Air, <570°F (300°C)	Chlorine oxides	Manganous chloride	Sea water
Alcohols	Chloroacetic acid	Methyl alcohol	Silver nitrate
Aldehydes	Chromic acid	Methylsulfuric acid	Sodium acetate
Aluminum chloride	Chrome plating solutions	Milk	Sodium aluminate
Aluminum nitrate	Citric acid	Mineral oils	Sodium bisulfate, solution
Aluminum sulfate	Cleaning solutions	Mixed acids (sulfuric-nitric)	Sodium bromide
Amines	Copper salts	Motor fuels	Sodium chlorate
Ammonium bicarbonate	Dichloroacetic acid	Nickel salts	Sodium chloride
Ammonium carbonate	Dimethylformaldehyde	Nitric acid	Sodium citrate
Ammonium chloride	Ethylene dibromide	Nitric acid, fuming	Sodium cyanide
Ammonium nitrate	Ethyl sulfate	Nitric oxides	Sodium dichromate
Ammonium acid phosphate	Fatty acids	Nitrogen, <570°F (300°C)	Sodium hypochlorite
Ammonium phosphate	Ferric chloride	Nitrous acid	Sodium nitrate
Ammonium sulfate	Ferric sulfate	Nitrosyl chloride	Sodium nitrite
Amyl acetate or chloride	Ferrous sulfate	Organic chlorides	Sodium phosphate
Aniline hydrochloride	Food stuffs	Organic acids	Sodium silicate
Aqua regia	Formaldehyde	Organic esters	Sodium sulfate
Barium carbonate	Formic acid	Organic salts	Sodium sulfide
Barium chloride	Fruits	Oxalic acid	Sodium sulfite
Barium hydroxide	Glycerine	Oxygen, <570°F (300°C)	Sodium thiosulfate
Barium nitrate	Graphite, <1000°C (1830°F)	Pechloric acid	Sour Gas
Benzoic acid	Hydroiodic acid	Petroleum products	Stearic acid
Body fluids	Hydrobromic acid	Phenol	Succinic acid
Boric acid	Hydrocarbons	Phosphoric acid, <4ppmF, <360°F (180°C)	Sugar
Bromine, dry, <570°F (300°C)	Hydrochloric acid	Phosphorus, < 1290°F (700°C)	Sulfamic acid
Bromine, wet	Hydrogen bromide, <750°F (400°C)	Phosphorus chlorides	Sulfur, <930°F (500°C)
Butyric acid	Hydrogen chloride, <660°F (350°C)	Phosphorus oxychloride	Sulfur chlorides
Calcium bicarbonate	Hydrogen iodide	Phthalic anhydride	Sulfur dioxide
Calcium bisulfates	Hydrogen peroxide	Pickling acids, except HNO3-HF	Sulfuric acid, to 350°F (175°C)
Calcium bisulfites	Hydrogen sulfide	Potassium bromide	Sulfurous acid
Calcium carbonate	Hydroxyacetic acid	Potassium chloride	Sulfuryl chloride
Calcium chloride	Hypochlorous acid	Potassium dichromate	Tannic acid
Calcium hydroxide	Iodine, <570°F (300°C)	Potassium ferricyanide	Tartaric acid
Calcium hypochlorite	Ketones	Potassium iodine-iodine	Thionyl chloride
Carbolic acid	Lactic acid	Potassium nitrate	Tin salts
Carbon dioxide	Lead salts	Potassium permanganate	Zinc chloride
Chloric acid	Magnesium chloride	Potassium sulfate	Zinc sulphate

注释:

1. 带 316/316L 不锈钢圈的最高爆破压力。Hastelloy C276 圈，请向 Fike 咨询。
2. 当爆破压力小于 65 psig (4.48 barg) 且入口管道长度大于 10" (25 cm) 时，1" (DN25) 口径不适于液态系统。

TANTALINE 在以下介质中显示有限的承受性:

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

注释:

更多关于这一独特产品, 请向厂商咨询。

更多关于 **Tantaline** 工艺, 请游览 www.Tantaline.com

请咨询 **Tantaline** 腐蚀专家: www.Tantaline.com

