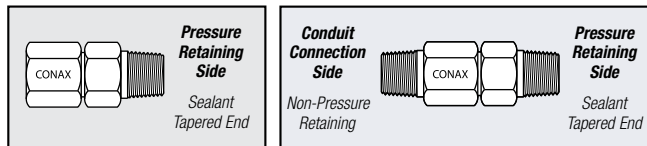
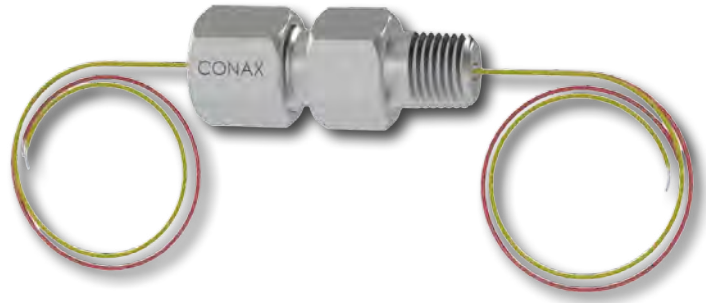


TG-24T Sealing for Insulated Lead Wire

Conax Technologies' TG-24T Feedthrough assemblies are provided with a Teflon™ or GraFoil™ sealant and 24 AWG solid Teflon™ insulated thermocouple grade wires or copper wires. These assemblies are ideal for sealing wires exiting compressor bearing housings, pressure vessels, instruments, furnaces and reactors.

- Pressure Rating: from vacuum to 8000 PSIG (551 bar), depending on the feedthrough size
- Wire Rating: 100VDC, 500 °F (260 °C)

Feedthrough bodies and followers are constructed from 303 SST standard. (For information on alternative body materials, see page 9.) Cap Style A offers a mounting thread only. Cap Style B provides threading on both ends for attachment to conduit or terminal heads. The feedthrough is furnished with 24 inches of wire on each side. Longer wire lengths can be furnished as needed.



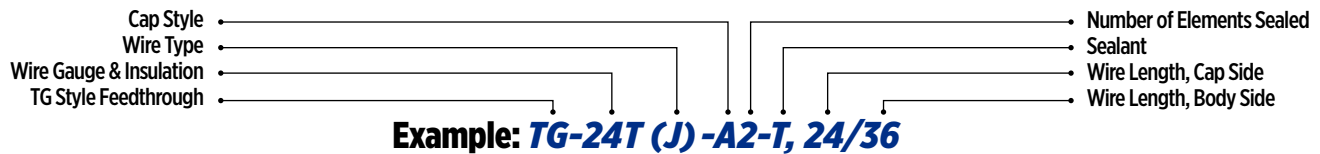
Type A has mounting thread only. Type B has cap end threaded. B Cap NPT matches the standard mounting NPT.

Conax Technologies can provide numerous options for the management of wires in our sealing assemblies:

- Wire Markers with customer nomenclature for easy wire identification of multiple wires
- Twisting of wires in pairs or other groupings for easier identification and management
- Wire Jackets/Sleeving
- Hot Junctions—exposed or encapsulated

Please consult a Conax Technologies sales engineer for details.

Catalog Numbering System



TG Style Feedthrough	Wire Gauge & Insulation	Wire Type	Cap Style	Number of Elements Sealed	Sealant	Wire Length Cap Side	Wire Length Body Side
<ul style="list-style-type: none"> MTG TG 	<ul style="list-style-type: none"> 24T 24 AWG solid, Teflon™ coated 	<ul style="list-style-type: none"> J Iron/Constantan K Chromel/Alumel T Copper/Constantan E Chromel/Constantan CU Copper CU (NI) Nickel-plated Copper CX Alloy for Tungsten 5% Rhenium/Tungsten 26% Rhenium, 24 AWG only RX/SX Copper/Copper Nickel alloy N Nicrosil/Nisil 	<ul style="list-style-type: none"> A Has mounting thread only B Has cap end threaded 	<ul style="list-style-type: none"> 2 4 6 8 12 16 24 	<ul style="list-style-type: none"> T Teflon™ G GraFoil™ 	(in inches)	(in inches)

Modifiers are added in parentheses to indicate optional mounting methods. See pages 9-11. See Specification Charts for the proper modifiers.

Accessories

The replaceable sealant permits repeated use of the same fitting. Elements can be easily assembled or replaced in the field. To replace the sealant or elements, simply loosen the cap, replace the necessary items, relubricate and retorque the cap.

Feedthroughs are supplied factory lubricated. If feedthroughs are cleaned prior to assembly or when reused, the feedthroughs should be relubricated to maintain the published torque and pressure ratings. On weld neck models, the heat from the welding process will destroy the lubricant. These models must also be relubricated prior to use. See page 109 for information on our lubrication kit.

To order a Replacement Packing Set, order
RPS - TG-24T - (Number of Holes) - (Sealant).

Example: RPS-TG-24T-2-T

To order a Replacement Sealant, order
RS - TG-24T - (Number of Holes) - (Sealant)

Example: RS-TG-24T-2-T



Specifications

TG-24T Series Catalog Number	Number of Wires	Length				Hex Size				Pressure Rating			
		Length A		Length B		Body		Cap		Teflon™		GraFoil™	
		IN	MM	IN	MM	IN	IN	MM	MM	PSIG	BAR	PSIG	BAR
Model MTG-24T													
Standard 1/8" NPT													
MTG-24T(X)-2	2	1.38	34.9	1.75	44.5	0.500	0.563	12.70	14.29	3,200	220	4,800	331
MTG-24T(X)-4	4	1.38	34.9	1.75	44.5	0.500	0.563	12.70	14.29	3,200	220	4,800	331
Weld Neck Mount (Weld Neck Mount Length 0.39", Diameter 0.405")*													
MTG(SWM1/S316L)-24T(X)-2	2	1.38	34.9	1.75	44.5	0.500	0.563	12.70	14.29	3,200	220	4,800	331
MTG(SWM1/S316L)-24T(X)-4	4	1.38	34.9	1.75	44.5	0.500	0.563	12.70	14.29	3,200	220	4,800	331
Model TG-24T													
Standard 1/4" NPT													
TG-24T(X)-2	2	2.00	50.8	2.63	66.7	0.750	0.750	19.05	19.05	4,400	303	7,600	524
TG-24T(X)-4	4	2.00	50.8	2.63	66.7	0.750	0.750	19.05	19.05	4,400	303	7,600	524
TG-24T (2 & 4 hole) with Optional 1/8" NPT													
TG(PTM1)-24T(X)-2	2	2.00	50.8	2.63	66.7	0.750	0.750	19.05	19.05	4,400	303	7,600	524
TG(PTM1)-24T(X)-4	4	2.00	50.8	2.63	66.7	0.750	0.750	19.05	19.05	4,400	303	7,600	524
Weld Neck Mount (Weld Neck Mount Length 0.59", Diameter 0.540")*													
TG(SWM2/S316L)-24T(X)-2	2	2.00	50.8	2.63	66.7	0.750	0.750	19.05	19.05	4,400	303	7,600	524
TG(SWM2/S316L)-24T(X)-4	4	2.00	50.8	2.63	66.7	0.750	0.750	19.05	19.05	4,400	303	7,600	524
Standard 1/2" NPT													
TG-24T(X)-6	6	2.63	66.7	3.38	85.7	1.000	1.000	25.40	25.40	3,200	220	8,000	551
TG-24T(X)-8	8	2.63	66.7	3.38	85.7	1.000	1.000	25.40	25.40	3,200	220	8,000	551
TG-24T (6 & 8 hole) with Optional 1/4" NPT													
TG(PTM2)-24T(X)-6	6	2.63	66.7	3.38	85.7	1.000	1.000	25.40	25.40	3,200	220	8,000	551
TG(PTM2)-24T(X)-8	8	2.63	66.7	3.38	85.7	1.000	1.000	25.40	25.40	3,200	220	8,000	551
Weld Neck Mount (Weld Neck Mount Length 0.78", Diameter 0.840")*													
TG(SWM4/S316L)-24T(X)-6	6	2.63	66.7	3.38	85.7	1.000	1.000	25.40	25.40	3,200	220	8,000	551
TG(SWM4/S316L)-24T(X)-8	8	2.63	66.7	3.38	85.7	1.000	1.000	25.40	25.40	3,200	220	8,000	551
Standard 3/4" NPT													
TG-24T(X)-12	12	2.88	73.0	3.63	92.1	1.125	1.250	28.58	31.75	3,200	220	6,000	413
TG-24T(X)-16	16	2.88	73.0	3.63	92.1	1.125	1.250	28.58	31.75	3,200	220	6,000	413
TG-24T(X)-24	24	2.88	73.0	3.63	92.1	1.250	1.500	31.75	38.10	1,200	83	2,800	193
TG-24T (12 & 16 hole) with Optional 1/2" NPT													
TG(PTM4)-24T(X)-12	12	2.88	73.0	3.63	92.1	1.125	1.250	28.58	31.75	3,200	220	6,000	413
TG(PTM4)-24T(X)-16	16	2.88	73.0	3.63	92.1	1.125	1.250	28.58	31.75	3,200	220	6,000	413
Weld Neck Mount (Weld Neck Mount Length 0.79", Diameter 1.050")*													
TG(SWM5/S316L)-24T(X)-12	12	2.88	73.0	3.63	92.1	1.125	1.250	28.58	31.75	3,200	220	6,000	413
TG(SWM5/S316L)-24T(X)-16	16	2.88	73.0	3.63	92.1	1.125	1.250	28.58	31.75	3,200	220	6,000	413

Note: (X) refers to the wire calibration/type.
 Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

* Weld neck models require lubrication prior to use.
 All pressure and torque ratings were determined at 68 °F (20 °C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for feedthroughs with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints.

TG-24T SERIES

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