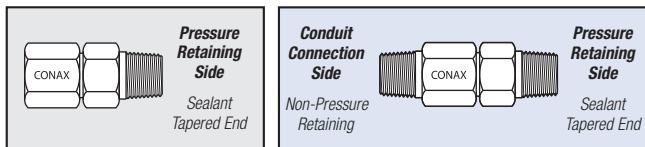




TG24T gland assemblies are provided with a PTFE or Grafoil sealant and 24 AWG solid PTFE insulated thermocouple grade wires or copper wires. These assemblies are ideal for sealing wires exiting compressor bearing housings, pressure vessels, instruments, furnaces and reactors.

- Pressure ratings from vacuum to 8000 psig (551 bar), depending on the gland size.
- Wire Rating: 100 Vdc, 500°F (260°C)

Gland bodies, caps and followers are constructed from 303SST. (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 gland 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 your Conax Technologies sales engineer for details.

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.

Glands are supplied factory lubricated. If glands are cleaned prior to assembly or when reused, the glands 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 103 for information on our lubrication kit.

To order a Replacement Sealant, order

RS – (Gland) – (Wire Gauge) – (Number of Holes) – (Sealant)

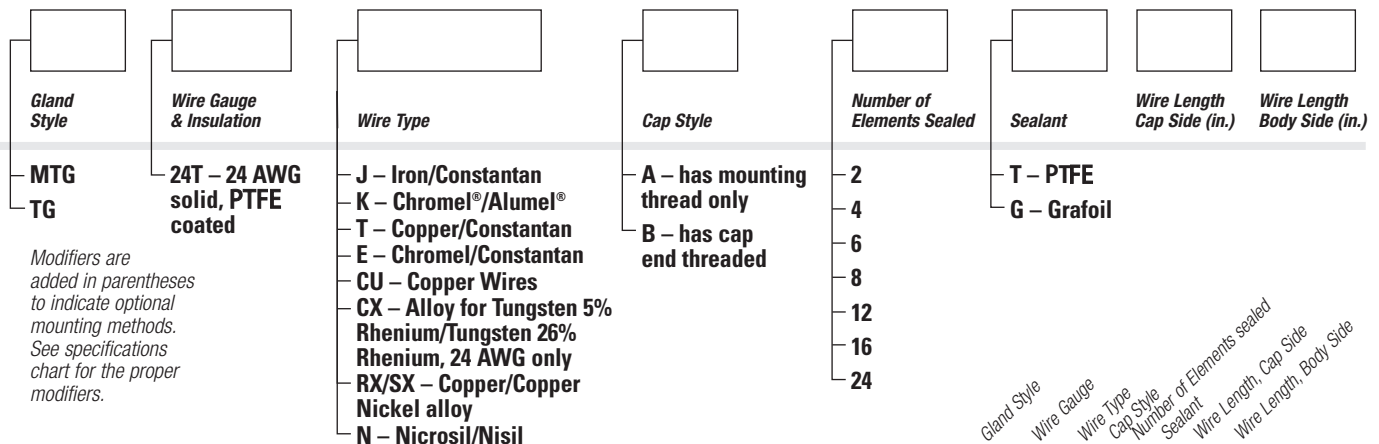
Example: RS-TG-24T-2-T

To order a Replacement Packing set, order

RPS – (Gland) – (Wire Gauge) – (Number of Holes) – (Sealant)

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

Catalog Numbering System



Example: TG-24T(J)-A2-T, 24/36



Specifications – TG24T

Catalog Number	Number of Wires	Length 'A'		Length 'B'		Hex Size				Pressure Rating				Torque for PTFE Sealant w/ T/C Wire except Type T		Torque for Grafoil Sealant and PTFE w/ Copper or Type T Wire	
		IN	MM	IN	MM	Body IN	Cap IN	Body MM	Cap MM	PTFE PSIG	PTFE BAR	Grafoil PSIG	Grafoil BAR	(ft-lbs)	(N-m)	(ft-lbs)	(N-m)
MODEL MTG24T																	
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	20-25	27-34	72-78 in-lbs	8-9
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	20-25	27-34	72-78 in-lbs	8-9
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	20-25	27-34	72-78 in-lbs	8-9
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	20-25	27-34	72-78 in-lbs	8-9
MODEL TG24T																	
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	30-35	40-47	10-12	13-16
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	30-35	40-47	10-12	13-16
TG24T(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	30-35	40-47	10-12	13-16
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	30-35	40-47	10-12	13-16
Weld Neck Mount (Weld Neck Mount Length 0.59", Diameter 0.540")																	
TG(SWM2/S316)-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	30-35	40-47	10-12	13-16
TG(SWM2/S316)-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	30-35	40-47	10-12	13-16
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	50-55	67-74	25-30	34-40
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	50-55	67-74	25-30	34-40
TG24T (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	50-55	67-74	25-30	34-40
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	50-55	67-74	25-30	34-40
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	50-55	67-74	25-30	34-40
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	50-55	67-74	25-30	34-40
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	75-85	102-115	60-65	81-88
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	75-85	102-115	60-65	81-88
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	95-100	129-136	70-75	95-102
TG24T (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	75-85	102-115	60-65	81-88
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	75-85	102-115	60-65	81-88
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	75-85	102-115	60-65	81-88
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	75-85	102-115	60-65	81-88

Note: (X) refers to the wire calibration/type.

* Hex size for the body and cap are the same unless a cap size is provided in parentheses.

** 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 glands with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints.