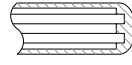

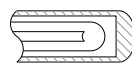
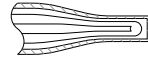



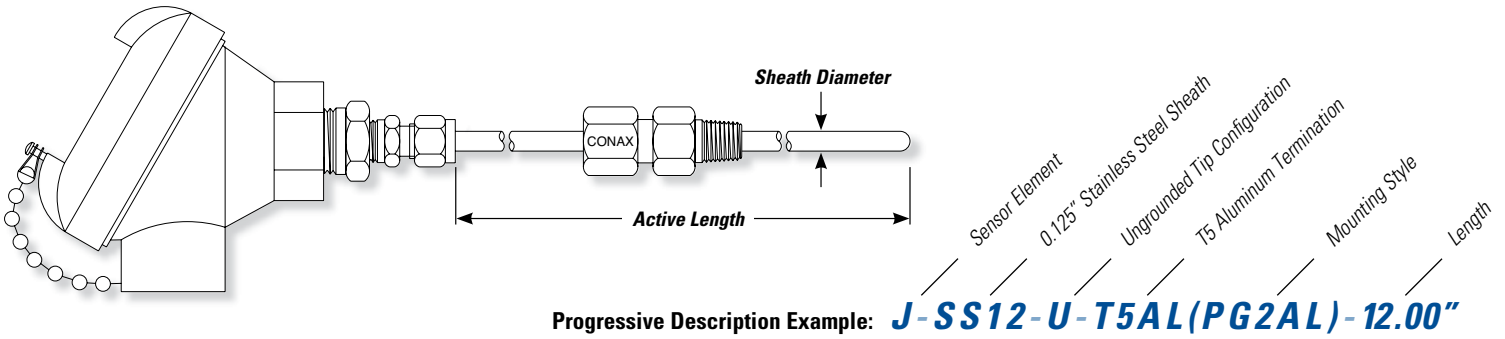
Conax thermocouple assemblies can be supplied with a wide variety of terminal head styles to meet application needs. Adjustable mounting fittings using Conax "soft seal" compression fittings allow the immersion depth of the sheath to be easily adjusted in the field and provide pressure or vacuum sealing against gases or liquids. (Compression fittings are shipped untorqued.) Compression fitting models are offered in different sizes and with various sealant materials to ensure proper function in a wide range of environments. Additional information on sealing options, as well as sealant temperature and pressure ratings, can be found in Conax Compression Seal Feedthroughs and Fittings catalog #5001 or at [www.conaxtechnologies.com](http://www.conaxtechnologies.com).

<div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <p><b>Specify Sensor Element</b></p> <p><b>J – Iron/Constantan</b>          • 32° F to +1400° F          • 0° C to +760° C</p> <p><b>K – Chromel/Alumel</b>          • -328° F to +2300° F          • -200° C to +1260° C</p> <p><b>E – Chromel/Constantan</b>          • -328° F to +1600° F          • -200° C to +870° C</p> <p><b>T – Copper/Constantan</b>          • -328° F to +700° F          • -200° C to +370° C</p> <p><b>N – Nicrosil/Nisil</b>          • 32° F to +2300° F          • 0° C to +1260° C</p> <p><b>S – Platinum-10% Rhodium/Platinum</b>          • 32° F to +2700° F          • 0° C to +1480° C</p> <p><b>R – Platinum-13% Rhodium/Platinum</b>          • 32° F to +2700° F          • 0° C to +1480° C</p> <p><b>B – Platinum-30% Rhodium/Platinum-6% Rhodium</b>          • 1600° F to +3100° F          • 870° C to +1700° C</p> <p><b>C – Tungsten-5% Rhenium/Tungsten-26% Rhenium</b>          • 32° F to +4200° F          • 0° C to +2315° C</p>	<div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <p><b>Specify Sheath Material</b></p> <p><b>SS – 304 Stainless Steel</b>          • Maximum service temperature: +1650° F (900° C)</p> <p><b>316SS – 316 Stainless Steel</b>          • Maximum service temperature: +1650° F (900° C)</p> <p><b>INC – Inconel 600</b>          • Maximum service temperature: +2100° F (1150° C)</p> <p><b>Alternate Materials</b>  <b>310SS – 310 Stainless Steel</b>  <b>188HN – Haynes 188</b>  <b>214HN – Haynes 214</b>  <b>230HN – Haynes 230</b>  <b>HC – Hastelloy C</b>  <b>HX – Hastelloy X</b>  <b>TI – Titanium</b>  <b>TA – Tantalum</b>  <b>PLT – Platinum</b></p>	<div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <p><b>Specify Sheath Diameter</b></p> <p><b>12 = 0.125" diameter</b></p> <p><b>18 = 0.187" diameter</b></p> <p><b>25 = 0.250" diameter</b></p> <p><b>37 = 0.375" diameter</b></p>	<div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <p><b>Specify Tip Configuration</b></p>  <p><b>G – Grounded</b>          G – Single, Grounded          2G – Dual, Grounded          3G – Triple, Grounded</p>  <p><b>GR – Grounded, Reduced</b></p>  <p><b>U – Ungrounded</b>          U – Single, Ungrounded          2U – Dual, Ungrounded          3U – Triple, Ungrounded</p>  <p><b>UR – Ungrounded, Reduced</b></p>  <p><b>B – Bare Wire</b></p>
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*Certain calibrations and wire configurations (dual and triple) may not be available in all sheath materials and diameters. Consult factory for details.*

*Note: For more information on tip configurations, see page 23.*

*Special limits of error are designated by a double catalog letter, e.g. JJ.*



### Specify Termination Style



**T5AL - Aluminum**  
**T5CI - Cast Iron**

- NEMA 4 rated
- Conduit port 3/4 NPT



**T5SS**

- NEMA 4X rated
- 316 stainless steel construction
- Conduit port 3/4 NPT



**T7**

- Weather proof
- Aluminum conduit box accommodates up to 8 terminals
- Conduit port 3/4 NPT



**T8E**

- Explosion proof rating Class I, Group B, C & D Class II, Group E, F & G Class III
- Gray iron body with aluminum screw cover
- NEMA 4 rated
- Conduit port 1/2 NPT



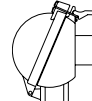
**T11**

- Weather proof
- Aluminum construction
- Conduit port 1/2 NPT



**T11PL**

- Weather proof
- Plastic construction
- Conduit port 1/2 NPT



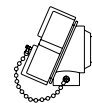
**T12**

- Weather proof
- Aluminum construction
- Flip-top head
- Conduit port 1/2 NPT



**T13T**

- FDA compliant, NEMA 4X rated
- White, unpigmented polypropylene construction
- 4 terminal posts
- Conduit port 3/4 NPT

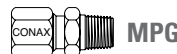


**T15EAL - Aluminum**  
**T15ESS - Stainless Steel**  
**T15EAL(ATEX)**

- Explosion Proof rating Class 1, Division 1, Groups B, C and D and Dust Proof/Ignition Proof rating for Class II, Division 1, Group E, F & G
- Ratings: T15EAL – NEMA 4, T15ESS – NEMA 4X
- Conduit port 3/4 NPT

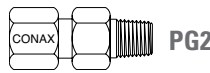
### Specify Mounting Style

#### Packing Gland



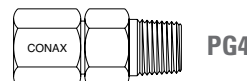
- For 0.125" and 0.187" diameter sheath
- Stainless steel construction
- Mounting thread 1/8 NPT

**MPGAL – Lava sealant**  
**MPGAT – Teflon sealant**  
**MPGAN – Neoprene sealant**  
**MPGAV – Viton sealant**  
**MPGAG – Grafoil sealant**



- For 0.125", 0.187" and 0.250" diameter sheath
- Stainless steel construction
- Mounting thread 1/4 NPT

**PG2AL – Lava sealant**  
**PG2AT – Teflon sealant**  
**PG2AN – Neoprene sealant**  
**PG2AV – Viton sealant**  
**PG2AG – Grafoil sealant**



- For 0.250" and 0.375" diameter sheath
- Stainless steel construction
- Mounting thread 1/2 NPT

**PG4AL – Lava sealant**  
**PG4AT – Teflon sealant**  
**PG4AN – Neoprene sealant**  
**PG4AV – Viton sealant**  
**PG4AG – Grafoil sealant**

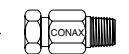
### Specify Length in Inches (required)

#### Midlock Gland



**MK125A**

- For 0.125" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/8 NPT



**MK187A**

- For 0.187" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/8 NPT



**MK250A**

- For 0.250" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/4 NPT



**MK375A**

- For 0.375" diameter sheath
- Stainless steel construction
- Stainless steel ferrule
- Mounting thread 1/2 NPT

*Note: For sealant material details, see page 37.*

*This assembly may be purchased without the mounting fitting. Omit the mounting style from the description. The catalog description in this case would be J-SS12-U-T5AL-12.00".*

*Note: For additional terminal head types and detailed descriptions, see pages 43-47.*