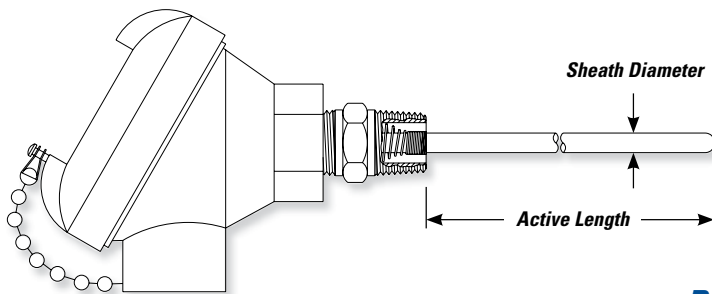


Conax spring-loaded assemblies are used to maintain positive contact between the sensor tip and the surface to be monitored, typically used with thermowell assemblies. Conax supplies a number of styles of spring-loaded assemblies to meet application needs. Spring-loaded assemblies can be provided with all terminal heads. In addition, the T11SL model provides a spring-loaded assembly built into the T11 aluminum terminal head. This allows complete disassembly and removal of the sensor probe without dismantling the terminal head from the conduit or the vessel. For detailed information on these mounting styles, see pages 40-41.

Specify Sensor Element	Specify Sensor Tolerance	Specify Sensor Lead Configuration	Specify Sheath Material & Size
RTD43 Platinum 100Ω @ 0° C $\alpha = 0.00385 \Omega/\Omega/^{\circ}\text{C}$ -200° C to +600° C -328° F to +1112° F	W (Class B) - Available for RTD43, 44 and 45, single and dual; and RTD86, MRTDF43 and MRTDF430, single only - Tolerance at 0° C is $\pm 0.3^{\circ}\text{C}$		316 Stainless Steel 316SS118 3 mm
MRTDF43 Platinum 100Ω @ 0° C $\alpha = 0.00385 \Omega/\Omega/^{\circ}\text{C}$ -50° C to +550° C -58° F to +1022° F	V (1/3 Class B) - Available for RTD43, 44 and 45 single only - Tolerance at 0° C is $\pm 0.1^{\circ}\text{C}$		316SS12 0.125" diameter
RTD44 Platinum 100Ω @ 0° C $\alpha = 0.00385 \Omega/\Omega/^{\circ}\text{C}$ -200° C to +800° C -328° F to +1472° F - Inconel 600 sheath standard	S (Class A) - Available for RTD43, 44 and 45 single only - Tolerance at 0° C is $\pm 0.15^{\circ}\text{C}$		316SS18 0.187" diameter
RTD45 Platinum 100Ω @ 0° C $\alpha = 0.003916 \Omega/\Omega/^{\circ}\text{C}$ -200° C to +600° C -328° F to +1112° F	X - Available for ERTD41, single only; tolerance at 0° C is $\pm 0.4^{\circ}\text{C}$ - Available for ERTD42, single; tolerance at 0° C is $\pm 0.8^{\circ}\text{C}$ - Available for ERTD42, dual; tolerance at 0° C is $\pm 1.4^{\circ}\text{C}$		316SS236 6 mm
RTD86 Platinum 200Ω @ 0° C $\alpha = 0.00385 \Omega/\Omega/^{\circ}\text{C}$ -200° C to +600° C -328° F to +1112° F	ERTD41 Copper 10Ω (9.05Ω actual) @ 0° C $\alpha = 0.00426 \Omega/\Omega/^{\circ}\text{C}$ -70° C to +150° C -94° F to +300° F - Available with 0.250" sheath diameter or larger		316SS25 0.250" diameter
MRTDF430 Platinum 1000Ω @ 0° C $\alpha = 0.00385 \Omega/\Omega/^{\circ}\text{C}$ -50° C to +550° C -58° F to +1022° F - Available with 0.250" sheath diameter or larger	ERTD42 Nickel 120Ω @ 0° C $\alpha = 0.00672 \Omega/\Omega/^{\circ}\text{C}$ -40° C to +180° C -40° F to +350° F - Available with 0.250" sheath diameter or larger	Note: 0.125" and 0.187" diameter sheaths can contain up to 4 wires; 0.250" diameter sheaths can contain up to 8 wires.	Inconel 600 INC12 0.125" diameter - Standard sheath material for RTD44
			INC18 0.187" diameter - Standard sheath material for RTD44
			INC25 0.250" diameter - Standard sheath material for RTD44

Note: For ASTM E1137 assemblies, use ordering prefix ARTD44W4-SS25 or ARTD44W4-INC25.

Note: For additional diameters and other sheath materials, see page 7.



Progressive Description Example: **RTD43W3-316SS25-T5AL(CSLW)-12.00"**

Sensor Element
W Sensor Tolerance
3" Sensor Lead Configuration
0.250" 316 Stainless Steel Sheath
T5 Aluminum Termination
Mounting Style
Length

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



CSLW

- For 0.125", 0.187" and 0.250" diameter sheaths
- Stainless steel construction
- Mounting thread 1/2 NPT



SLAN

- For 0.125", 0.187" and 0.250" diameter sheaths
- Stainless steel construction
- Mounting thread 1/2 NPT
- Probe position can be adjusted in the field



SLANS

- For 0.250" diameter sheath
- Includes Viton O-ring
- Stainless steel construction
- Mounting thread 1/2 NPT
- Probe position can be adjusted in the field

Specify Length in Inches (required)



SLN

- For 0.125", 0.187" and 0.250" diameter sheath
- Mounting thread 1/2 NPT
- Most durable



SL

- Spring-loaded packing gland
- Spring travel: 1/4" to 3/8"
- 2-8 pounds spring pressure
- Stainless steel construction, Teflon sealant
- Available with B cap for direct mount
- Additional dimensional data required, see page 40.

SL12

- For 0.125" diameter sheath
- Mounting thread 1/8 NPT

SL18

- For 0.187" diameter sheath
- Mounting thread 1/4 NPT

SL25

- For 0.250" diameter sheath
- Mounting thread 1/2 NPT
- Optional 1/4 NPT mounting thread is available. Consult factory.

For additional information on spring-loaded mounting styles, see pages 40-41.

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