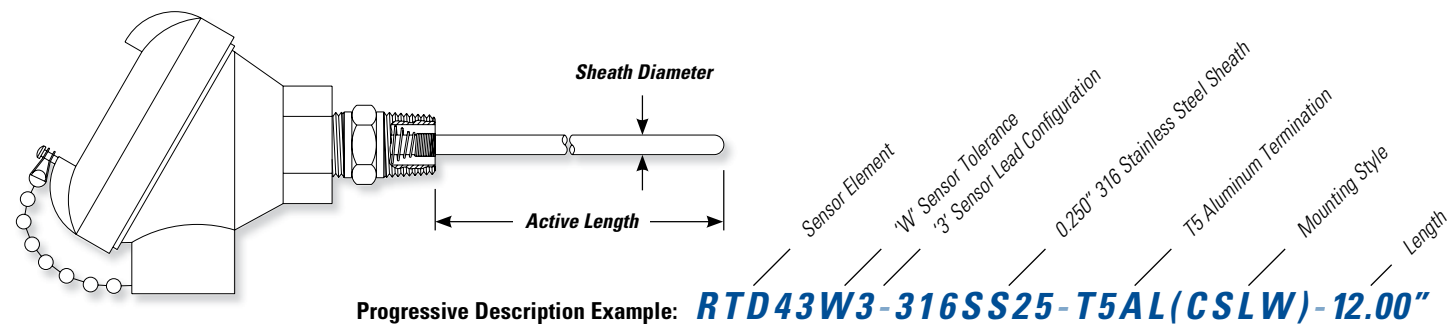


Conax spring-loaded assemblies are used to maintain positive contact between the sensor tip and the surface to be monitored, typically used with thermowell assemblies. Conax supplies a number of styles of spring-loaded assemblies to meet application needs. Spring-loaded assemblies can be provided with 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.

<p>Specify Sensor Element</p> <p>RTD43 Platinum</p> <ul style="list-style-type: none"> • 100Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -200° C to +600° C • -328° F to +1112° F <p>MRTDF43 Platinum</p> <ul style="list-style-type: none"> • 100Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -50° C to +550° C • -58° F to +1022° F <p>RTD44 Platinum</p> <ul style="list-style-type: none"> • 100Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -200° C to +800° C • -328° F to +1472° F • Inconel 600 sheath standard <p>RTD45 Platinum</p> <ul style="list-style-type: none"> • 100Ω @ 0° C • α = 0.003916 Ω/Ω/°C • -200° C to +600° C • -328° F to +1112° F <p>RTD86 Platinum</p> <ul style="list-style-type: none"> • 200Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -200° C to +600° C • -328° F to +1112° F <p>MRTDF430 Platinum</p> <ul style="list-style-type: none"> • 1000Ω @ 0° C • α = 0.00385 Ω/Ω/°C • -50° C to +550° C • -58° F to +1022° F • Available with 0.250" sheath diameter or larger <p><i>Note: For ASTM E1137 assemblies, use ordering prefix ARTD44W4-SS25 or ARTD44W4-INC25.</i></p>	<p>Specify Sensor Tolerance</p> <p>W (Class B)</p> <ul style="list-style-type: none"> • Available for RTD43, 44 and 45, single and dual; and RTD86, MRTDF43 and MRTDF430, single only • Tolerance at 0° C is ±0.3° C <p>V (1/3 Class B)</p> <ul style="list-style-type: none"> • Available for RTD43, 44 and 45 single only • Tolerance at 0° C is ±0.1° C <p>S (Class A)</p> <ul style="list-style-type: none"> • Available for RTD43, 44 and 45 single only • Tolerance at 0° C is ±0.15° C <p>X</p> <ul style="list-style-type: none"> • Available for ERTD41, single only; tolerance at 0° C is ±0.4° C • Available for ERTD42, single; tolerance at 0° C is ±0.8° C • Available for ERTD42, dual; tolerance at 0° C is ±1.4° C <p>ERTD41 Copper</p> <ul style="list-style-type: none"> • 10Ω (9.05Ω actual) @ 0° C • α = 0.00426 Ω/Ω/°C • -70° C to +150° C • -94° F to +300° F • Available with 0.250" sheath diameter or larger <p>ERTD42 Nickel</p> <ul style="list-style-type: none"> • 120Ω @ 0° C • α = 0.00672 Ω/Ω/°C • -40° C to +180° C • -40° F to +350° F • Available with 0.250" sheath diameter or larger 	<p>Specify Sensor Lead Configuration</p> <p>2 RED WHITE 2-WIRE SINGLE</p> <p>3 RED RED WHITE 3-WIRE SINGLE</p> <p>4 RED RED WHITE WHITE 4-WIRE SINGLE</p> <p>6 RED RED WHITE WHITE 2-WIRE DUAL</p> <p>7 RED RED RED RED WHITE WHITE 3-WIRE DUAL</p> <p>8 RED RED RED RED WHITE WHITE WHITE WHITE 4-WIRE DUAL</p> <p><i>Note: 0.125" and 0.187" diameter sheaths can contain up to 4 wires; 0.250" diameter sheaths can contain up to 8 wires.</i></p>	<p>Specify Sheath Material & Size</p> <p>316 Stainless Steel</p> <p>316SS118</p> <ul style="list-style-type: none"> • 3 mm <p>316SS12</p> <ul style="list-style-type: none"> • 0.125" diameter <p>316SS18</p> <ul style="list-style-type: none"> • 0.187" diameter <p>316SS236</p> <ul style="list-style-type: none"> • 6 mm <p>316SS25</p> <ul style="list-style-type: none"> • 0.250" diameter <p>Inconel 600</p> <p>INC12</p> <ul style="list-style-type: none"> • 0.125" diameter • Standard sheath material for RTD44 <p>INC18</p> <ul style="list-style-type: none"> • 0.187" diameter • Standard sheath material for RTD44 <p>INC25</p> <ul style="list-style-type: none"> • 0.250" diameter • Standard sheath material for RTD44 <p><i>Note: For additional diameters and other sheath materials, see page 7.</i></p>
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<p>Specify Termination Style</p> <p>T5AL- Aluminum T5CI- Cast Iron</p> <ul style="list-style-type: none"> • NEMA 4 rated • Conduit port 3/4 NPT <p>T5SS</p> <ul style="list-style-type: none"> • NEMA 4X rated • 316 stainless steel construction • Conduit port 3/4 NPT <p>T7</p> <ul style="list-style-type: none"> • Weather proof • Aluminum conduit box accommodates up to 8 terminals • Conduit port 3/4 NPT <p>T8E</p> <ul style="list-style-type: none"> • 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 	<p>T11</p> <ul style="list-style-type: none"> • Weather proof • Aluminum construction • Conduit port 1/2 NPT <p>T11PL</p> <ul style="list-style-type: none"> • Weather proof • Plastic construction • Conduit port 1/2 NPSM <p>T12</p> <ul style="list-style-type: none"> • Weather proof • Aluminum construction • Flip-top head • Conduit port 1/2 NPT <p>T13T</p> <ul style="list-style-type: none"> • FDA compliant, NEMA 4X rated • White, unpigmented polypropylene construction • 4 terminal posts • Conduit port 3/4 NPT <p>T15EAL- Aluminum T15ESS- Stainless Steel T15EAL(ATEX)</p> <ul style="list-style-type: none"> • 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 	<p>Specify Mounting Style</p> <p>CSLW</p> <ul style="list-style-type: none"> • For 0.125", 0.187" and 0.250" diameter sheaths • Stainless steel construction • Mounting thread 1/2 NPT <p>SLAN</p> <ul style="list-style-type: none"> • 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 <p>SLANS</p> <ul style="list-style-type: none"> • 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 	<p>Specify Length in Inches (required)</p> <p>SLN</p> <ul style="list-style-type: none"> • For 0.125", 0.187" and 0.250" diameter sheath • Mounting thread 1/2 NPT • Most durable <p>SL</p> <ul style="list-style-type: none"> • 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. <p>SL12</p> <ul style="list-style-type: none"> • For 0.125" diameter sheath • Mounting thread 1/8 NPT <p>SL18</p> <ul style="list-style-type: none"> • For 0.187" diameter sheath • Mounting thread 1/4 NPT <p>SL25</p> <ul style="list-style-type: none"> • For 0.250" diameter sheath • Mounting thread 1/2 NPT • Optional 1/4 NPT mounting thread is available. Consult factory. <p><i>For additional information on spring-loaded mounting styles, see pages 40-41.</i></p>
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Note: For additional terminal head types and detailed descriptions, see pages 43-47.