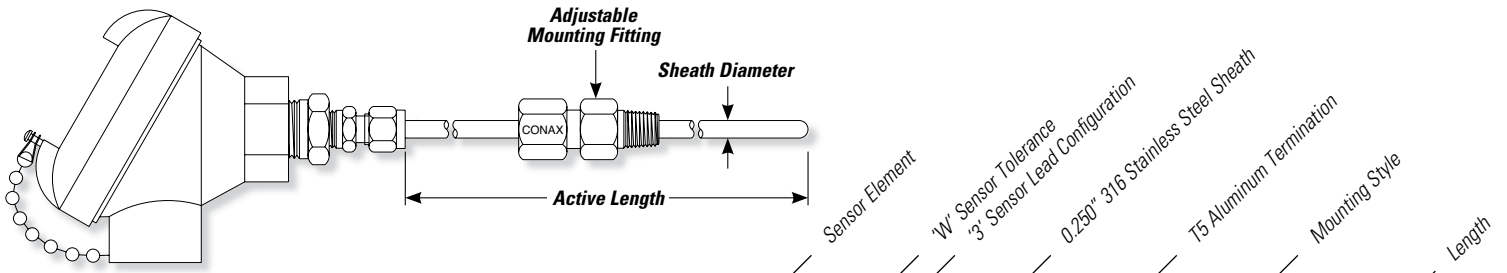

















Conax RTD assemblies can be supplied with a wide variety of terminal head styles to meet application needs. Adjustable mounting fittings using Conax "soft seal" compression fittings allow the immersion depth of the sheath to be easily adjusted in the field and provide pressure or vacuum sealing against 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 our Conax Compression Seal Feedthroughs and Fittings Catalog #5001 or at www.conaxtechnologies.com.

Specify Sensor Element	Specify Sensor Tolerance	Specify Sensor Lead Configuration	Specify Sheath Material & Size
<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>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>Note: 0.125" and 0.187" diameter sheaths can contain up to 4 wires; 0.250" diameter sheaths can contain up to 8 wires.</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>Note: For additional diameters and other sheath materials, see page 7.</p>

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



Progressive Description Example: **RTD43W3-316SS25-T5AL-PG4AL-12.00"**

<p>Specify Termination Style</p> <div style="margin-bottom: 10px;">  <p>T5AL - Aluminum T5CI - Cast Iron</p> <ul style="list-style-type: none"> • NEMA 4 rated • Conduit port 3/4 NPT </div> <div style="margin-bottom: 10px;">  <p>T5SS</p> <ul style="list-style-type: none"> • NEMA 4X rated • 316 stainless steel construction • Conduit port 3/4 NPT </div> <div style="margin-bottom: 10px;">  <p>T7</p> <ul style="list-style-type: none"> • Weather proof • Aluminum conduit box accommodates up to 8 terminals • Conduit port 3/4 NPT </div> <div style="margin-bottom: 10px;">  <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 </div> <div style="margin-bottom: 10px;">  <p>T11</p> <ul style="list-style-type: none"> • Weather proof • Aluminum construction • Conduit port 1/2 NPT </div> <div style="margin-bottom: 10px;">  <p>T11PL</p> <ul style="list-style-type: none"> • Weather proof • Plastic construction • Conduit port 1/2 NPSM </div> <div style="margin-bottom: 10px;">  <p>T12</p> <ul style="list-style-type: none"> • Weather proof • Aluminum construction • Flip-top head • Conduit port 1/2 NPT </div> <div style="margin-bottom: 10px;">  <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 </div> <div style="margin-bottom: 10px;">  <p>T15EAL - Aluminum T15ESS - Stainless Steel</p> <p>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 </div>	<p>Specify Mounting Style</p> <div style="margin-bottom: 10px;">  <p>Packing Gland MPG</p> <ul style="list-style-type: none"> • For 0.125" and 0.187" diameter sheath • Stainless steel construction • Mounting thread 1/8 NPT <p>MPGAL – Lava sealant MPGAT – Teflon sealant MPGAN – Neoprene sealant MPGAV – Viton sealant MPGAG – Grafoil sealant</p> </div> <div style="margin-bottom: 10px;">  <p>PG2</p> <ul style="list-style-type: none"> • For 0.125", 0.187" and 0.250" diameter sheath • Stainless steel construction • Mounting thread 1/4 NPT <p>PG2AL – Lava sealant PG2AT – Teflon sealant PG2AN – Neoprene sealant PG2AV – Viton sealant PG2AG – Grafoil sealant</p> </div> <div style="margin-bottom: 10px;">  <p>PG4</p> <ul style="list-style-type: none"> • For 0.250" diameter sheath • Stainless steel construction • Mounting thread 1/2 NPT <p>PG4AL – Lava sealant PG4AT – Teflon sealant PG4AN – Neoprene sealant PG4AV – Viton sealant PG4AG – Grafoil sealant</p> </div>	<p>Specify Length in Inches (required)</p> <div style="margin-bottom: 10px;">  <p>Midlock Gland MK125A</p> <ul style="list-style-type: none"> • For 0.125" diameter sheath • Stainless steel construction • Stainless steel ferrule • Mounting thread 1/8 NPT </div> <div style="margin-bottom: 10px;">  <p>MK187A</p> <ul style="list-style-type: none"> • For 0.187" diameter sheath • Stainless steel construction • Stainless steel ferrule • Mounting thread 1/8 NPT </div> <div style="margin-bottom: 10px;">  <p>MK250A</p> <ul style="list-style-type: none"> • For 0.250" diameter sheath • Stainless steel construction • Stainless steel ferrule • Mounting thread 1/4 NPT </div>
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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 RTD43W3-316SS25-T5AL-12.00".

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