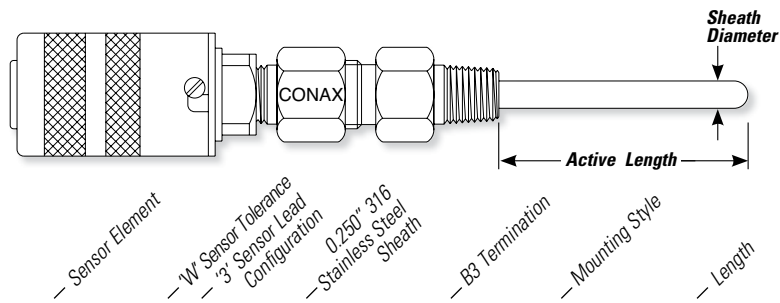


Conax B-Series heads are compact, lightweight terminal heads that provide convenient hook-up of customer extension wire. The cap and body are nickel-plated to resist corrosion. The ceramic terminal block contains zinc-plated brass terminal posts that accept up to 14 AWG wire. Bayonet-style cover allows easy access to the terminal posts. B-Series heads are provided in direct or adjustable mounting styles.

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>2</p> <p>3</p> <p>4</p> <p>6</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

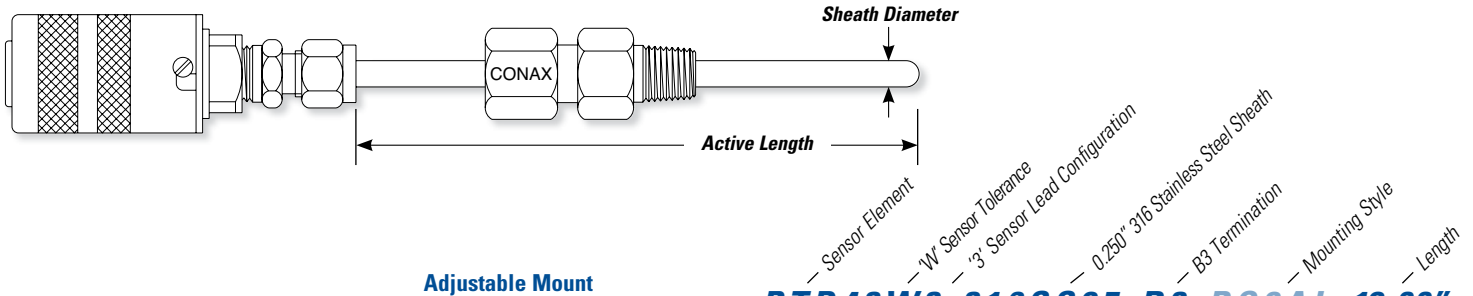
Note: For ASTM E1137 assemblies, use ordering prefix ARTD44W4-SS25 or ARTD44W4-INC25.

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



Direct Mount

Progressive Description Example: **RTD43W3-316SS25-B 3(PG2BN)-12.00"**



Adjustable Mount

Progressive Description Example: **RTD43W3-316SS25-B3-PG2AL-12.00"**

Specify Termination Style



B2

- Standard 2-wire
- Maximum service temperature is 200° F (93.3° C) with grommet and O-ring; 750° F (400° C) with grommet and O-ring removed.

B3

- Standard 3-wire
- Maximum service temperature is 200° F (93.3° C) with grommet and O-ring; 750° F (400° C) with grommet and O-ring removed

B4

- Standard 4-wire
- Maximum service temperature is 200° F (93.3° C) with grommet and O-ring; 750° F (400° C) with grommet and O-ring removed

For detailed descriptions of termination styles, see pages 46.

Specify Mounting Style

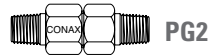
DIRECT MOUNT Packing Gland



MPG

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

- MPGBL** – Lava sealant
- MPGBT** – Teflon sealant
- MPGBN** – Neoprene sealant
- MPGBV** – Viton sealant
- MPGBG** – Grafoil sealant



PG2

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

- PG2BL** – Lava sealant
- PG2BT** – Teflon sealant
- PG2BN** – Neoprene sealant
- PG2BV** – Viton sealant
- PG2BG** – Grafoil sealant



W4

- For 0.125", 0.187" & 0.250" diameter sheath
- 316 stainless steel construction
- Mounting thread 1/4 NPT
- Sheath welded to fitting

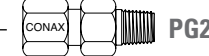
ADJUSTABLE MOUNT (optional) Packing Gland



MPG

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

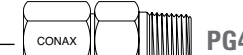
- MPGAL** – Lava sealant
- MPGAT** – Teflon sealant
- MPGAN** – Neoprene sealant
- MPGAV** – Viton sealant
- MPGAG** – Grafoil sealant



PG2

- 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



PG4

- For 0.250" 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

Note: For sealant material details, see page 37.