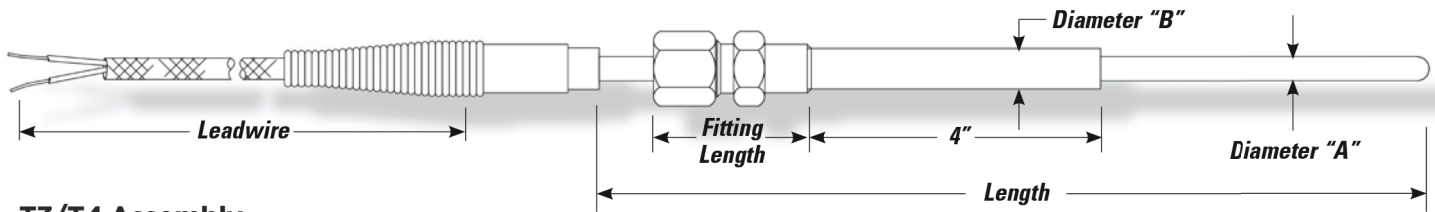


Thermocouple Assemblies with T3/T4 Leadwire Termination and Support Tube



T3/T4 Assembly

An adjustable support tube offers flexibility for immersion adjustment while protecting the sheath from potential damage during installation. The rigid, thick wall offers additional support when penetrating the vessel/furnace wall.

This exclusive Conax Technologies' design provides a practically unbreakable connection between the leadwire and probe lead. The T3 epoxy-filled transition is supplied with PTFE-insulated extension wire as standard; silicone-impregnated fiberglass insulation is also available. Standard extension end leads are 24" long (longer leads available on request). When the progressive description specifies 24 gauge probe wire, 20 gauge extension wire is standard. When the progressive description specifies 30 gauge probe wire, 24 gauge extension wire is standard. T4 termination provides a stainless steel overbraid for maximum flexibility and abrasion resistance. Available in all sheath materials and wire types. Both termination types function to 300 °F (150 °C) continuous temperature.

SUPPORT TUBE DATA

Thermocouple Diameter "A"	Support Tube Diameter "B"	Fitting Code	Fitting Length
.125"	.312"	C	1.12"
.187"	.312"	C	1.12"
.250"	.375"	D	1.50"
.375"	.500"	F	2.00"

Progressive Description Example: **R24-AL18-AL-U-T3 - S 1 A V C 4 - 18.00"**

Calibration Type:	Wire Gauge:	Tubewell Material:	Tubewell Diameter "A":	Insulation Material:	Junction:	Termination Style:	Support Tube Assembly:	Sheath Length (L) in Inches, .25" increments
S	30	MO -Molybdenum	12 = .125"	AL (Al ₂ O ₃) Standard	U -Ungrounded	T3 PTFE	For Tubewell Diameter .125" & .187", use code S1A*C4 For Tubewell Diameter .250", use code S2A*D4 For Tubewell Diameter .375", use code S4A*F4	Length required...
R	24	TA -Tantalum	18 = .187"	HF (HfO ₂) Optional		T4 PTFE/SS		
B		W -Tungsten	25 = .250"			T3F Fiberglass		
C		AL -Alumina (Al ₂ O ₃)	37 = .375"			T4F Fiberglass/SS		

Notes

- 125" diameter sheath is available with 30 gauge wire only.
- Alumina sheath is not available in .125" diameter.
- Molybdenum, Tantalum and Tungsten are not available in .375" diameter.
- Lava sealant not recommended for high vacuum.
- Extension grade leadwire.
- Support tube materials: 316SS body and tube, 303SS cap and follower.
- Support tube assembly torque values, see page 12; S1=MPG Series, S2=PG2 Series, S4=PG4 Series.

For longer lead length specify, example: 36" leadwire requested - T3 (36")

* Select sealant material:

- L** = Lava - up to 1600° F (870° C)
- G** = Grafoil - up to 925° F (495° C)
- V** = Viton - up to 450° F (232° C)