TEL-TRU® TEMPERATURE SOLUTIONS

Customer Focused Since 1916.

Thermowells

For Sanitary and Industrial Applications

Thermowells are recommended for pressure, corrosive fluid, or high velocity applications.

Produced using highest quality material and machined from solid bar stock in a large selection of materials and coatings. Designed and manufactured to assure perfect alignment with the instrument probe.

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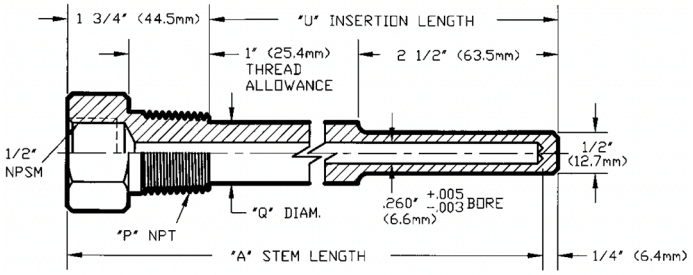
Standard Threaded Thermowells for 1/4” Diameter Elements

Model 260TW - General Use

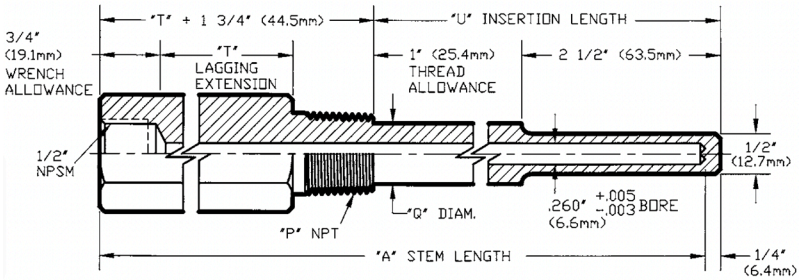


Model	Stem Length A	Process Connection P	Insertion Length U	Shank Diameter Q
260TW	4” 6” 9” 12” 15” 18” 24”	1/2”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 16-1/2” 22-1/2”	N/A
				5⁄8”
260TW	4” 6” 9” 12” 15” 18” 24”	3/4”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 16-1/2” 22-1/2”	N/A
				3/4”
260TW	4” 6” 9” 12” 15” 18” 24”	1”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 16-1/2” 22-1/2”	N/A
				7⁄8”

To Order Please Specify:

- Model
- Material
- Process Connection
- “U” - Insertion Length and “A” Stem Length
- Options as Required

Model 260TWE - General Use with Lagging Extension

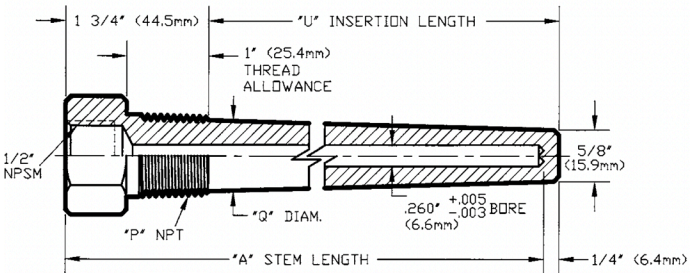


Model	Stem Length A	Process Connection P	Insertion Length U	Lagging Extension T	Shank Diameter Q
260TWE	6” 9” 12” 15” 18” 24”	1/2”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 22-1/2”	2” 3” 3” 3” 3” 3”	N/A
					5/8”
260TWE	6” 9” 12” 15” 18” 24”	3/4”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 22-1/2”	2” 3” 3” 3” 3” 3”	N/A
					3/4”
260TWE	6” 9” 12” 15” 18” 24”	1”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 22-1/2”	2” 3” 3” 3” 3” 3”	N/A
					7/8”

Note: Additional lagging extensions available upon request.

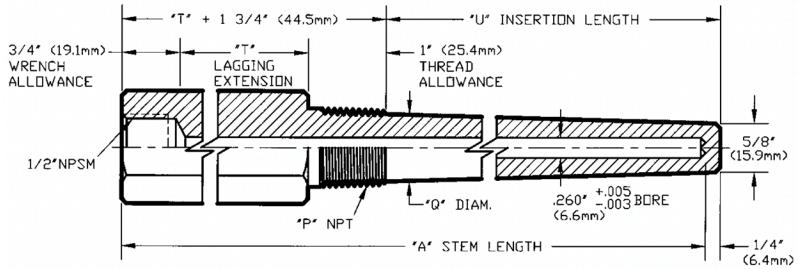
Standard Threaded Thermowells for 1/4” Diameter Elements

Model 260TWH - Heavy Duty



Model	Stem Length A	Process Connection P	Insertion Length U	Shank Diameter Q
260TWH	4” 6” 9” 12” 15” 18” 24”	3/4”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 16-1/2” 22-1/2”	7⁄8”
260TWH	4” 6” 9” 12” 15” 18” 24”	1”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 16-1/2” 22-1/2”	1-1/16”

Model 260TWHE - Heavy Duty with Lagging Extension



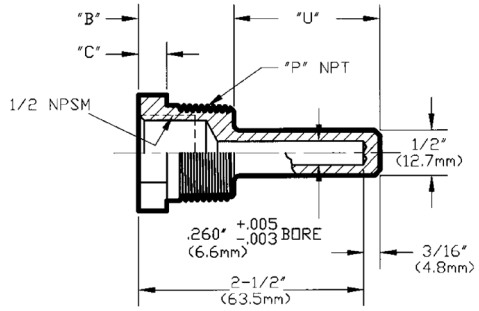
Model	Stem Length A	Process Connection P	Insertion Length U	Lagging Extension T	Shank Diameter Q
260TWHE	6” 9” 12” 15” 18” 24”	3/4”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 13-1/2”	2” 3” 3” 3” 3” 3”	7⁄8”
260TWHE	6” 9” 12” 15” 18” 24”	1”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 19-1/2”	2” 3” 3” 3” 3” 3”	1-1/16”

To Order Please Specify:

- Model
- Material
- Process Connection
- “U” - Insertion Length and “A” Stem Length
- Options as Required

Limited Space Thermowells for 1/4” Diameter Elements

Model 260TWA - Limited Space



Model	Stem Length A	Process Connection P	Insertion Length U	B	C
260TWA	2-1/2”	1/2” 3/4” 1”	1” 1-5/8” 1-5/8”	1-11/16” 1-1/16” 1-1/16”	15/16” 5/16” 5/16”

Application:

Used where short insertion length is neccessary such as in short legs of tees, etc. This thermowell also fits the 2-1/2” stem length of a dial thermometer with a 1/4” stem diameter.

Process Connection Size:

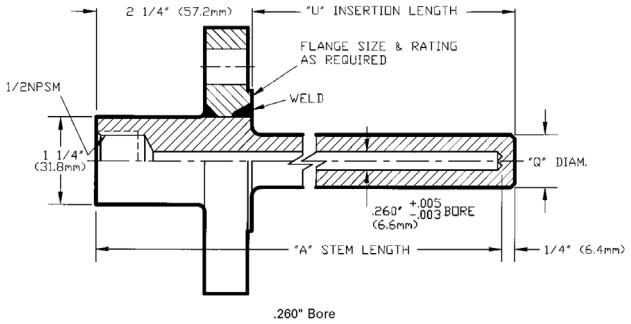
1/2”, 3/4” and 1” NPT are standard. Other thread sizes are available upon request.

Note:

On wells with 1/2” process connection, the “U” dimension becomes 1” to accomodate the 1/2” NPSM female thread.

Flanged Thermowells for 1/4” and 3/8” Diameter Elements

Model 260TWF - Flanged



.260" Bore

Model	Stem Length A	Insertion Length U	Shank Diameter Q	Bore Diameter B
260TWF	4” 6” 9” 12” 15” 18” 24”	2” 4” 7” 10” 13” 16” 22”	3/4”	.260”

Lagging Extension:

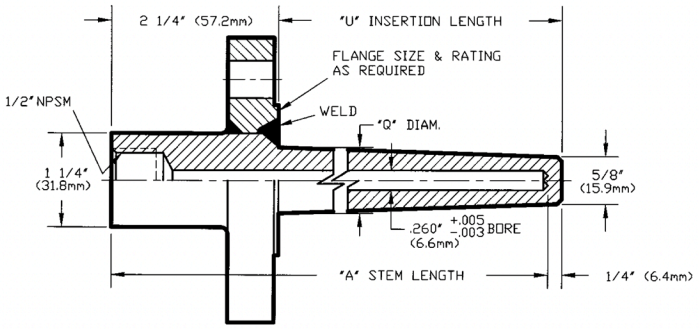
Specify model TWFE. Add lagging extension length to 2-1/4” head dimension.

To Order Please Specify:

- Model
- Material - Thermowell
- Material - Flange (if different)
- Flange Size
- Pressure Rating
- Flange Type - Raised Face, Flat Face, or Ring Type Joint
- “U” - Insertion Length and “A” Stem Length
- Options as Required

Heavy Duty Flanged Thermowells for 1/4” and 3/8” Diameter Elements

Model 260TWFH - Heavy Duty Flanged



Model	Stem Length A	Insertion Length U	Shank Diameter Q	Bore Diameter B
260TWFH	4” 6” 9” 12” 15” 18” 24”	2” 4” 7” 10” 13” 16” 22”	7/8”	.260”

Lagging Extension:

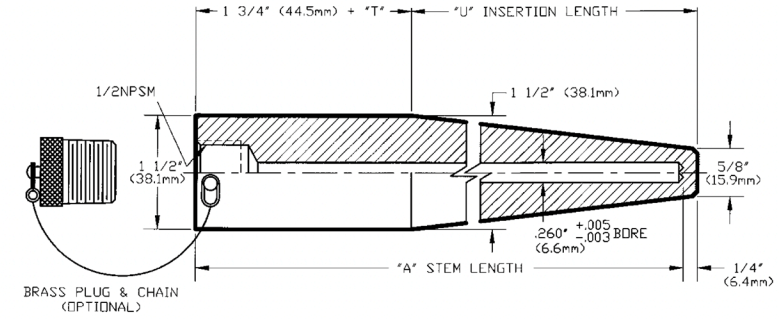
Specify model TWFHE. Add lagging extension length to 2-1/4” head dimension.

To Order Please Specify:

- Model
- Material - Thermowell
- Material - Flange (if different)
- Flange Size
- Pressure Rating
- Flange Type - Raised Face, Flat Face, or Ring Type Joint
- “U” - Insertion Length and “A” Stem Length
- Options as Required

Weld-In Thermowells for 1/4” and 3/8” Diameter Elements

Model 260TWI - Weld-In



Model	Diameter	Stem Length A	Insertion Length U
260TWI	1-1/2”	4” 6” 9” 12” 15” 18” 24”	2-1/2” 4-1/2” 7-1/2” 10-1/2” 13-1/2” 16-1/2” 22-1/2”

Lagging Extension:

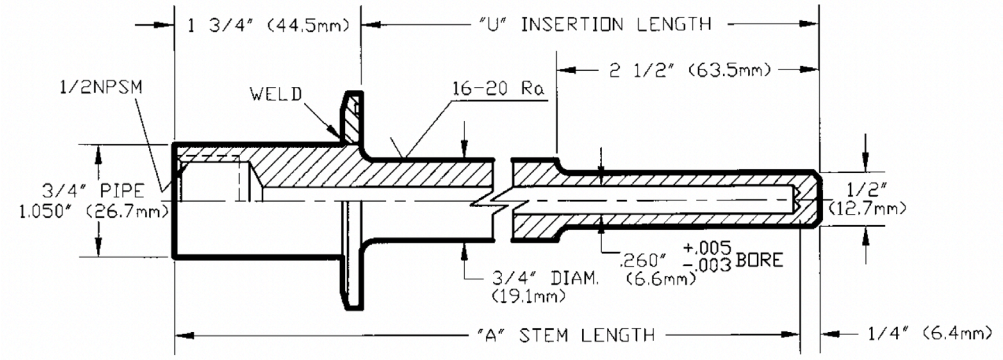
Specify by adding to “T” dimension to 1-3/4” head dimension.

To Order Please Specify:

- Model
- Material
- Process Connection
- “U” - Insertion Length and “A” Stem Length
- Options as Required

Sanitary Thermowells for 1/4” Diameter Elements

Model 260TWS - Sanitary



.260" Bore

Application:

Dairy, food processing, pharmaceutical and other sanitary requirements.

Process Connection Size:

Available with 1” to 1-1/2”, 2”, 2-1/2”, 3”, and 4”. Tri-Clamp® end caps.

Materials:

304SS or 316SS. Other materials are available upon request.

Finish:

16-20 Ra polish standard. Special finished available upon request.

To Order Please Specify:

- Model
- Material
- Process Connection
- “U” - Insertion Length and “A” - Stem Length
- Options as Required

Thermowell Options

Thread Sizes - Internal:
- 1/2” NPT
- 1/2” BSPP
- 1/4” NPT

Thread Sizes - External:
- BSPP
- BSPT

Procedures:
- Stamping Tag Numbers
- Special Lagging Length
- Full Penetration Welds

Cap and Chain:
- Brass
- 316 SS

Heat Treating, Annealing and Cleaning:
- NACE Heat Treat
- Passivate
- Oxygen Cleaning

Finishing and Coating:
- Smooth Face on Flange 125 Ra
- Special Wetted Surface Finishes
- 16-32 Ra
- 3A Sanitary Approval Stamp
- Electropolished
- Teflon Coating
- Tantalum Jacket
- Titanium Jacket

Testing and Documentation:
- Dye Penetrant Test
- Hydrostatic Test
- Ultrasonic Test - End Thickness
- Magnetic Particle Test
- X-ray Test
- Cross Check Chemical Analysis
- Cross Check Physical Analysis
- Certified Material Test Report (per ASTM)
- Certified Dimensional Drawings
- Wake Frequency Calculations

Materials Available:

Most Typically Used:
- Brass
- 304SS
- 316SS

Also Available:
- Aluminum
- Naval Brass
- Carbon Steel A-105
- Carpenter 20
- Duplex 20
- Hastelloy B
- Hastelloy C
- Incoloy 800
- Incoloy 600
- Kynar
- Monel
- Nickel
- Tantalum
- Teflon
- Titanium
- Other Materials Upon Request

See our full-line of products and solutions at www.teltru.com
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- Industrial and Sanitary Dial Thermometers
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- Check-Set® Thermometer Calibrators
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- Glow Dial Thermometers
- Thermowells
- HVAC Instruments
- Non-Contact Thermometers
- Surface Thermometers
- Pressure Transmitters
- Pressure Gauges
- Sanitary Pressure Gauges
- Remo-Tel Remote SMART Temperature Monitoring

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