

## FEATURES

- Solid bar-stock drilled design
- 3 different shank styles
- Threaded process connection

## APPLICATION

- Air & flue gas
- Tanks & vessels
- Oil & Gas applications
- Corrosive environments
- Power & Steel industries
- HVAC, Air filters & utilities
- On-shore/Off-shore application

### Bar-stock type



### STANDARD SPECIFICATIONS

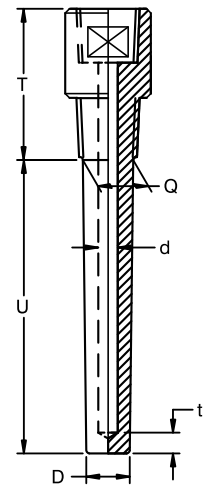
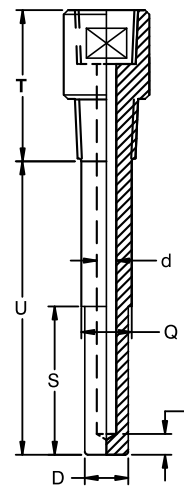
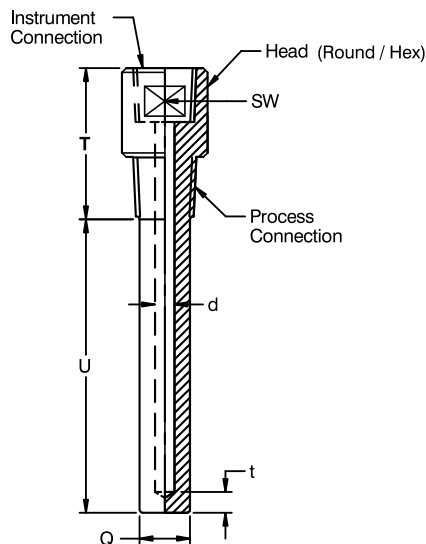
Shank form	:	Tapered
Material	:	AISI 316 SS
Instrument connection	:	1/2" NPT (F)
Bore diameter	:	6.6 mm
Lag extension	:	50 mm
Root diameter	:	21.0 mm
Tip diameter	:	16.0 mm
Immersion length	:	300 mm
Step / Taper Length	:	100 mm
Tip thickness	:	5 mm
Process connection	:	3/4" NPT (M)
Head type	:	Hex
Head size	:	30 mm

### DIMENSIONAL DRAWING

#### Straight Thermowell

#### Step Thermowell

#### Taper Thermowell



## REFERENCE

ASME PTC 19.3TW:2010

ORDERING CODES

<b>1. SHANK FORM</b>		<b>S</b>	<b>9. TIP DIAMETER ("D")</b>		<b>XX.X</b>
<b>S</b> Straight	<b>E</b> Stepped		<b>XX.X</b> Mention in 'mm'		
<b>T</b> Tapered					
<b>2. MATERIAL</b>		<b>MB</b>	<b>10. BORE DIAMETER ("d")</b>		<b>A</b>
<b>MB</b> Carbon Steel / ASTM A105			<b>A</b> 6.6 mm	<b>C</b> 9.0 mm	
<b>MC</b> AISI 304SS	<b>ME</b> AISI 310 SS		<b>D</b> 9.6 mm	<b>F</b> 11 mm	
<b>MF</b> AISI 316 SS	<b>MG</b> AISI 316L SS		<b>G</b> 13 mm		
<b>MM</b> Monel 400	<b>MN</b> Monel K-500		<b>11. IMMERSION LENGTH ("U")</b>		<b>XXXX</b>
<b>MO</b> Hastelloy C-276	<b>MQ</b> Inconel 600		<b>XXXX</b> 50 mm up to 1000 mm		
<b>MR</b> Inconel 625	<b>MS</b> Inconel 800		<b>12. STEP STYLE</b>		<b>S</b>
<b>MT</b> Inconel 825	<b>MV</b> Titanium		<b>S</b> Straight	<b>T</b> Taper	
<b>MY</b> Alloy 20	<b>M6</b> AISI 446 SS		<b>13. STEP / TAPER LENGTH ("S")</b>		<b>XXX</b>
<b>MI</b> AISI 321 SS			<b>XXX</b> Mention in 'mm'		
<b>3. INSTRUMENT CONNECTION</b>		<b>02N</b>	<b>14. TIP THICKNESS ("t")</b>		<b>M</b>
<b>02N</b> 1/4" NPT (F)	<b>04N</b> 1/2" NPT (F)		<b>M</b> 5 mm	<b>N</b> 6.35 mm (1/4")	
<b>05N</b> 3/4" NPT (F)	<b>06N</b> 1" NPT (F)		<b>O</b> 10 mm		
<b>02B</b> 1/4" BSP (F)	<b>04B</b> 1/2" BSP (F)		<b>15. OTHER OPTIONS</b>		<b>XM</b>
<b>05B</b> 3/4" BSP (F)	<b>06B</b> 1" BSP (F)		<b>XI</b> Plug & chain in SS		
<b>04M</b> M20 x 1.5 mm (F)			<b>XK</b> Electro polishing		
<b>4. PROCESS CONNECTION</b>		<b>14N</b>	<b>XL</b> Marking by laser		
<b>14N</b> 1/2" NPT (M)	<b>15N</b> 3/4" NPT (M)		<b>XM</b> Marking by engraving		
<b>16N</b> 1" NPT (M)	<b>17N</b> 1.5" NPT (M)		<b>TC</b> Material test certificate 3.1		
<b>18N</b> 2" NPT (M)	<b>14B</b> 1/2" BSP (M)		<b>TG</b> IGC test		
<b>15B</b> 3/4" BSP (M)	<b>16B</b> 1" BSP (M)		<b>TH</b> Hydro test certificate		
<b>17B</b> 1.5" BSP (M)	<b>18B</b> 2" BSP (M)		<b>TI</b> IBR certification		
<b>14M</b> M20 x 1.5 mm (M)		<b>TM</b> Material test certificate 2.2			
<b>5. HEAD TYPE</b>		<b>H</b>	<b>TN</b> Tested to NACE standards		
<b>H</b> Hex			<b>TO</b> Certification for Oxygen service		
<b>L</b> Round with spanner slot		<b>TQ</b> Certification for Hydrogen service			
<b>6. HEAD SIZE</b>		<b>XX</b>	<b>TW</b> WFC as per PTC 19.3TW:2010		
<b>XX</b> Mention in 'mm'			<b>TR</b> Radiography for welding		
<b>7. LAG EXTENSION ("T")</b>		<b>XXX</b>	<b>TS</b> Radiography for bore concentricity		
<b>XXX</b> 35 mm up to 250 mm			<b>TU</b> Ultrasonic test		
<b>8. ROOT DIAMETER ("Q")</b>		<b>XX.X</b>			
<b>XX.X</b> Mention in 'mm'					

Ordering Example : W102-S-MB-02N-14N-H-XX-XXX-XX.X-XX.X-A-XXXX-M-XM

NOTES:  
1. Other pipe/tube sizes, "U" lengths, connections are available. please contact factory for details.