

## FEATURES

- Solid bar-stock drilled design
- 3 different shank styles
- Flanged process connection
- RF portion with exotic material

## APPLICATION

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

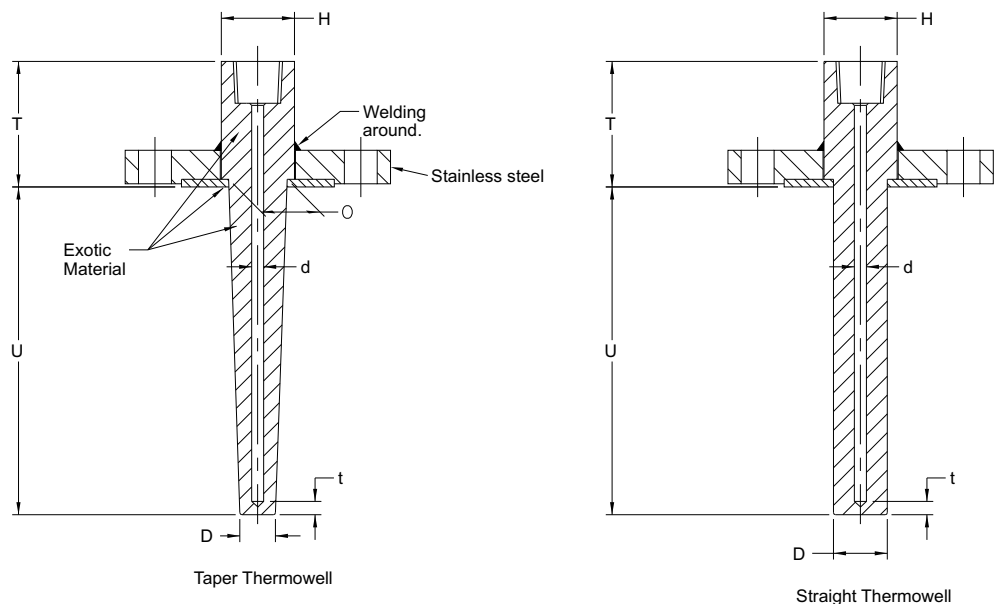
Bar-stock with exotic material RF



### STANDARD SPECIFICATIONS

Shank form	:	Taper
Flange material	:	AISI 316 SS
Well material	:	AISI 316 SS
Instrument connection	:	1/2" NPT (F) / 1/2" BSP (F)
Bore diameter	:	6.6 mm
Lag extension	:	50 mm
Root diameter	:	25.0 mm
Tip diameter	:	18.0 mm
Immersion length	:	150 mm
Step / Taper Length	:	150 mm
Tip thickness	:	5 mm
Process connection	:	Flange as per ANSI B16.5, EN 1092-1, JIS, etc.
Flange facing type	:	Raised face
Head type	:	Round
Head size	:	30 mm

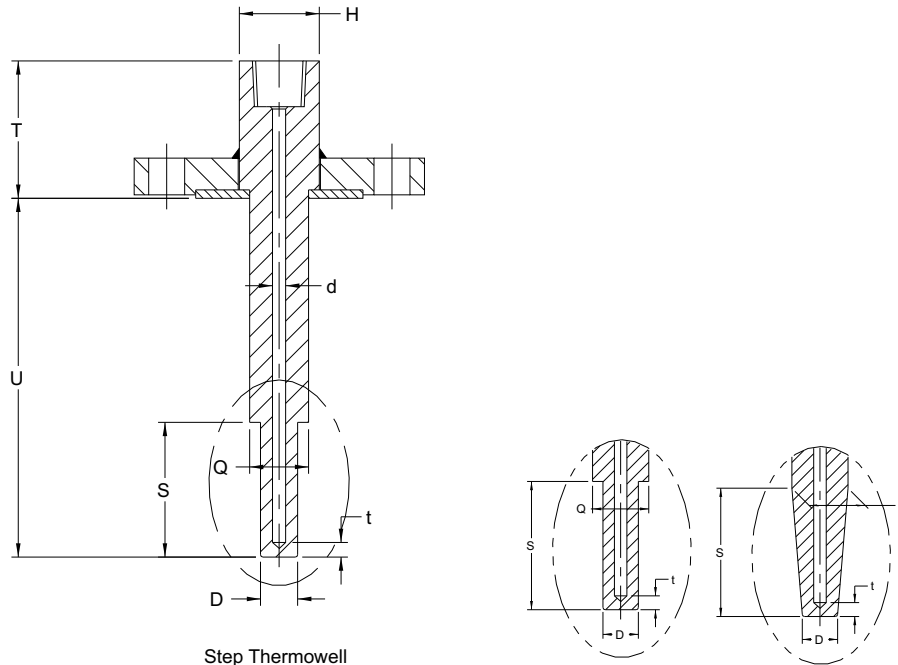
### DIMENSIONAL DRAWING



## REFERENCE

ASME PTC 19.3TW:2010

DIMENSIONAL DRAWING



ORDERING CODES

<b>1. SHANK FORM</b>		<b>S</b>
<b>S</b> Straight	<b>E</b> Stepped	
<b>T</b> Tapered		
<b>2. FLANGE MATERIAL</b>		<b>MB</b>
<b>MC</b> AISI 304SS	<b>MF</b> AISI 316 SS	
<b>MG</b> AISI 316L SS		
<b>3. WELL &amp; FLANGE RF MATERIAL</b>		<b>MB</b>
<b>ME</b> AISI 310 SS	<b>MI</b> AISI 321 SS	
<b>M6</b> AISI 446 SS	<b>MM</b> Monel 400	
<b>MN</b> Monel K-500	<b>MY</b> Alloy 20	
<b>MO</b> Hastelloy C-276	<b>MQ</b> Inconel 600	
<b>MR</b> Inconel 625	<b>MS</b> Inconel 800	
<b>MT</b> Inconel 825	<b>MV</b> Titanium	
<b>4. INSTRUMENT CONNECTION</b>		<b>04N</b>
<b>02N</b> 1/4" NPT (F)	<b>04N</b> 1/2" NPT (F)	
<b>05N</b> 3/4" NPT (F)	<b>02B</b> 1/4" BSP (F)	
<b>04B</b> 1/2" BSP (F)	<b>05B</b> 3/4" BSP (F)	
<b>04M</b> M20 x 1.5 mm (F)		
<b>5. PROCESS CONNECTION</b>		<b>XXX</b>
<b>XXX</b> Refer Flange Table for the codes		

<b>6. FLANGE FACING</b>		<b>F</b>
<b>F</b> Flat Face		
<b>J</b> Ring-Type Joint		
<b>R</b> Raised Face		
<b>7. HEAD TYPE</b>		<b>R</b>
<b>R</b> Round		
<b>8. HEAD SIZE</b>		<b>30</b>
<b>XX</b> Mention in 'mm'		
Recommended :		
30 mm for flanges up to 1.5" sizes		
35 mm for flanges above 1.5" sizes		
<b>9. LAG EXTENSION ("T")</b>		<b>50</b>
<b>XXX</b> 35 mm up to 250 mm		
<b>10. ROOT DIAMETER ("Q")</b>		<b>25</b>
<b>XX.X</b> Mention in 'mm'		
<b>11. TIP DIAMETER ("D")</b>		<b>18</b>
<b>XX.X</b> Mention in 'mm'		

NOTES:

- Other diameters, connections are available, please contact factory for details.
- Please refer "Technical Reference" for the proper selection of connections according to Head size and Outer diameter of the well.

**ORDERING CODES**

**12. BORE DIAMETER ("d")**

<b>N</b>	6.35 mm (1/4")	<b>A</b>	6.6 mm
<b>B</b>	7.0 mm	<b>C</b>	9.0 mm
<b>D</b>	9.6 mm	<b>O</b>	10 mm
<b>F</b>	11 mm	<b>G</b>	13 mm

**A**

**13. IMMERSION LENGTH ("U")**

**XXXX** 50 mm up to 1000 mm

**150**

**14. STEP STYLE**

<b>S</b>	Straight
<b>T</b>	Taper

**S**

**15. STEP / TAPER LENGTH ("S")**

**XXX** Mention in 'mm'

**150**

**16. TIP THICKNESS ("t")**

<b>M</b>	5 mm
<b>N</b>	6.35 mm (1/4")
<b>O</b>	10 mm

**M**

**17. OTHER OPTIONS**

<b>XI</b>	Plug & chain in SS
<b>XK</b>	Electro polishing
<b>XL</b>	Marking by laser
<b>XM</b>	Marking by engraving

**XM**

**18. CERTIFICATIONS**

<b>TC</b>	Material test certificate 3.1
<b>TD</b>	Dye penetration test
<b>TF</b>	PMI test
<b>TG</b>	IGC test
<b>TH</b>	Hydro test certificate
<b>TI</b>	IBR certification
<b>TM</b>	Material test certificate 2.2
<b>TN</b>	Tested to NACE standards
<b>TQ</b>	Certification for Hydrogen service
<b>TW</b>	WFC as per PTC 19.3TW:2010
<b>TR</b>	Radiography for welding
<b>TS</b>	Radiography for bore concentricity
<b>TU</b>	Ultrasonic test

**TC**

**Ordering Example : W104-S-MB-MB-02N-XXX-F-R-30-50-25-18-A-150-S-150-M-XM-TC**

**NOTES:**

1. Other diameters, connections are available, please contact factory for details.
2. Please refer "Technical Reference" for the proper selection of connections according to Head size and Outer diameter of the well.