

**FEATURES**

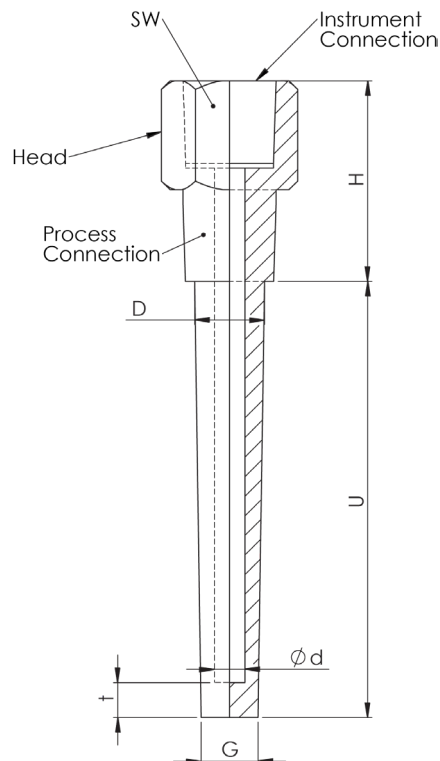
- Solid bar-stock drilled design
- 3 different shank styles
- Threaded process connection

**APPLICATIONS**

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

**Straight Shank****STANDARD SPECIFICATIONS**

|                       |               |
|-----------------------|---------------|
| Shank form            | : Straight    |
| Material              | : AISI 316 SS |
| Instrument connection | : ½" NPT (F)  |
| Bore diameter         | : 7 mm        |
| Lag extension         | : 50 mm       |
| Root diameter         | : By order    |
| Tip diameter          | : By order    |
| Immersion length      | : By order    |
| Tip thickness         | : 5 mm        |
| Process connection    | : ½" NPT (M)  |

**DIMENSIONAL DRAWING**

## ORDERING CODES

### 1. SHANK FORM

|          |          |          |
|----------|----------|----------|
| <b>S</b> | Straight | <b>S</b> |
|----------|----------|----------|

### 2. MATERIAL

|           |                          |           |              |           |
|-----------|--------------------------|-----------|--------------|-----------|
| <b>MB</b> | Carbon Steel / ASTM A105 | <b>MG</b> | AISI 316L SS | <b>MB</b> |
| <b>MC</b> | AISI 304SS               | <b>MV</b> | Titanium     |           |
| <b>MF</b> | AISI 316 SS              |           |              |           |
| <b>MM</b> | Monel                    |           |              |           |
| <b>MO</b> | Hastelloy C-276          |           |              |           |
| <b>MR</b> | Inconel 625              |           |              |           |
| <b>MI</b> | AISI 321 SS              |           |              |           |

### 3. INSTRUMENT CONNECTION

|            |                  |            |              |            |
|------------|------------------|------------|--------------|------------|
| <b>05N</b> | 3/4" NPT (F)     | <b>04N</b> | 1/2" NPT (F) | <b>05N</b> |
| <b>02B</b> | 1/4" BSP (F)     | <b>06N</b> | 1" NPT (F)   |            |
| <b>05B</b> | 3/4" BSP (F)     | <b>04B</b> | 1/2" BSP (F) |            |
| <b>04M</b> | M20 x 1.5 mm (F) | <b>06B</b> | 1" BSP (F)   |            |

### 4. PROCESS CONNECTION

|            |                  |            |              |            |
|------------|------------------|------------|--------------|------------|
| <b>14N</b> | 1/2" NPT (M)     | <b>15N</b> | 3/4" NPT (M) | <b>14N</b> |
| <b>16N</b> | 1" NPT (M)       | <b>17N</b> | 1.5" NPT (M) |            |
| <b>18N</b> | 2" NPT (M)       | <b>14B</b> | 1/2" BSP (M) |            |
| <b>15B</b> | 3/4" BSP (M)     | <b>16B</b> | 1" BSP (M)   |            |
| <b>17B</b> | 1.5" BSP (M)     | <b>18B</b> | 2" BSP (M)   |            |
| <b>14M</b> | M20 x 1.5 mm (M) |            |              |            |

### 5. HEAD SIZE

|           |                 |           |
|-----------|-----------------|-----------|
| <b>XX</b> | Mention in 'mm' | <b>27</b> |
|-----------|-----------------|-----------|

### 6. LAG EXTENSION ("H")

|            |                    |           |
|------------|--------------------|-----------|
| <b>XXX</b> | 35 mm up to 250 mm | <b>50</b> |
|------------|--------------------|-----------|

### 7. ROOT DIAMETER ("G")

|             |                 |           |
|-------------|-----------------|-----------|
| <b>XX.X</b> | Mention in 'mm' | <b>21</b> |
|-------------|-----------------|-----------|

### 8. TIP DIAMETER ("D")

|             |                 |           |
|-------------|-----------------|-----------|
| <b>XX.X</b> | Mention in 'mm' | <b>21</b> |
|-------------|-----------------|-----------|

### 9. BORE DIAMETER ("d")

|          |        |          |        |          |
|----------|--------|----------|--------|----------|
| <b>B</b> | 7 mm   | <b>C</b> | 9.0 mm | <b>B</b> |
| <b>D</b> | 9.6 mm | <b>F</b> | 11 mm  |          |
| <b>G</b> | 13 mm  |          |        |          |

### 10. IMMERSION LENGTH ("U")

|             |                     |            |
|-------------|---------------------|------------|
| <b>XXXX</b> | 50 mm up to 1000 mm | <b>100</b> |
|-------------|---------------------|------------|

### 11. STEP STYLE

|          |                |          |
|----------|----------------|----------|
| <b>S</b> | Straight shank | <b>S</b> |
|----------|----------------|----------|

### 12. TIP THICKNESS ("t")

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

### 13. OTHER OPTIONS

|           |                            |           |
|-----------|----------------------------|-----------|
| <b>XI</b> | Plug & chain in SS         |           |
| <b>XL</b> | Marking by laser           | <b>XL</b> |
| <b>TC</b> | Material test certificate  |           |
| <b>TH</b> | Hydro test certificate     |           |
| <b>TN</b> | NACE standards             |           |
| <b>TW</b> | WFC as per PTC 19.3TW:2010 |           |

**Ordering Example : W71-S-MB-05N-14N-27-50-21-21-B-100-S-M-XL**

## NOTES

- Other pipe/tube sizes, «U» lengths, connections are available. please contact factory for details.
- Please refer "Technical Guidance Sheet" for the proper selection of connections according to Head size and Outer diameter of the well.