

BAR STOCK SOCKET WELD

MODEL
X7.04



PRODUCT DESCRIPTION

These Thermowells are machined from solid bar stock and mounted between mating flanges for process insertion. This design is suitable for all type of RTD's, Thermocouples, mechanical as well as digital thermometers. Vanstone type thermowell is produced without any welding process by processing the whole round bar. Since it does not involve any welding process, it is used when high pressure, high velocity fluid and corrosive process media such as penetrating gas exist, and serving to isolate and protect from any leakage.



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KEY FEATURES

- Design as per PTC 19.3
- These thermowell are machine from solid bar stock & Welded to nozzle
- This design is suitable for all type of RTD's ,Thermocouples, mechanical as well as digital thermometer
- Different shank style- Straight, Straight Reduced Tip, Partial Taper, Full taper

APPLICATION

- Chemical Plants
- Petrochemical Plants
- Engineering Plants
- On shore
- Off shore & other similar process industries

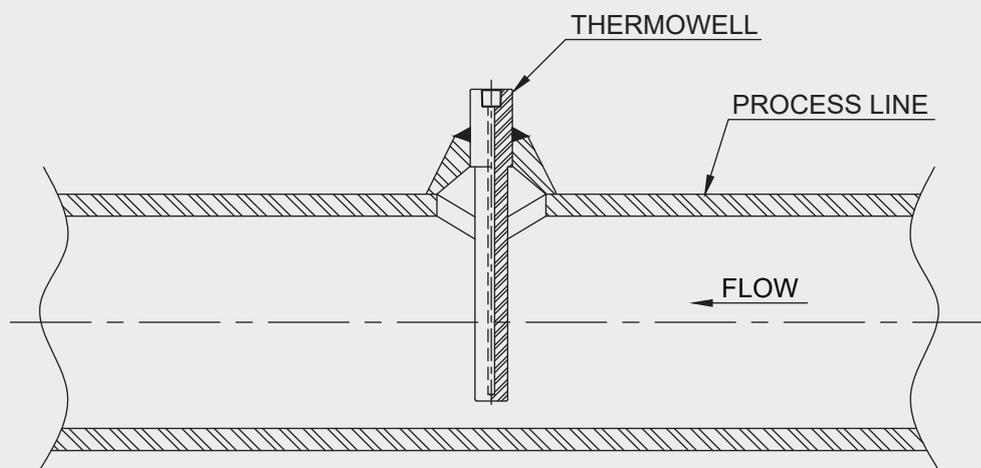
SPECIFICATIONS

Design	:	ASME PTC 19.3
Instrument Connection	:	1/2" NPT (F)
Bore diameter	:	Ø7 mm
Tip thickness	:	6.35 mm
Lagging extension	:	50 mm
Shank Style	:	Straight, Taper, Reduced Tip, Partial Taper

MATERIAL OF CONSTRUCTION

Well material : Stainless Steel

DIMENSIONAL DRAWINGS

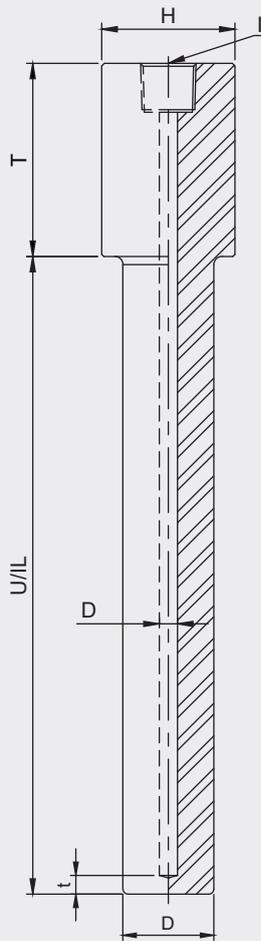


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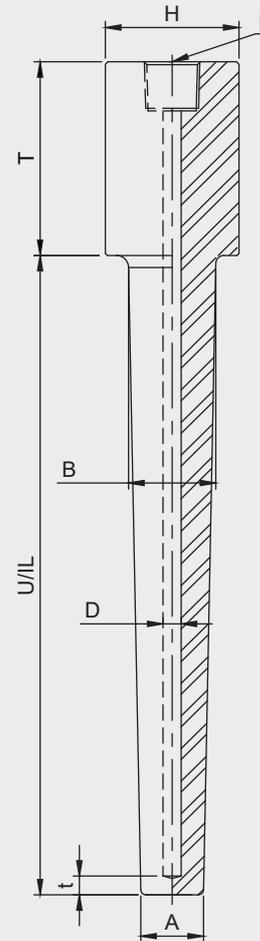
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DIMENSIONAL DRAWINGS

Straight



Taper



A - Minor Diameter B - Major Diameter D - Bore Diameter H - Head Size
 I - Instrument Connection T - Extension Length P - Process Connection t - Tip Thickness
 TL - Taper Length RL - Reduced Tip Length U/IL - Insertion Length

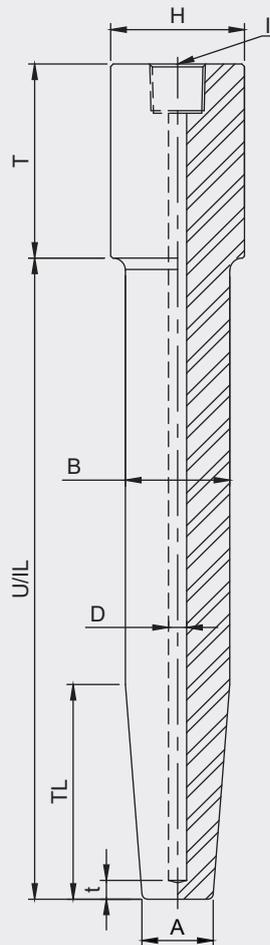
Important Notes: • Above drawings are not to scale • All Dimension are in mm

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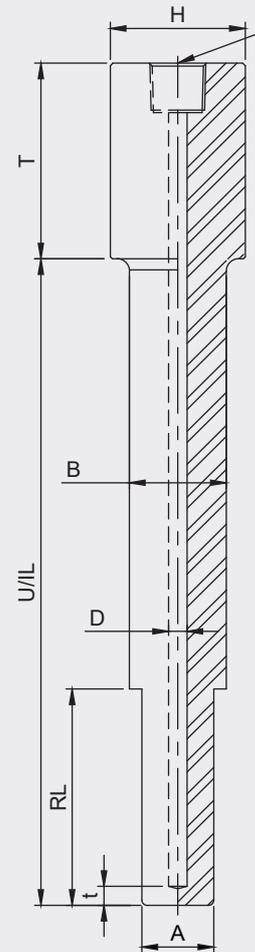
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DIMENSIONAL DRAWINGS

Reduced tip



Partial Taper



A - Minor Diameter B - Major Diameter D - Bore Diameter H - Head Size
 I - Instrument Connection T - Extension Length P - Process Connection t - Tip Thickness
 TL - Taper Length RL - Reduced Tip Length U/IL - Insertion Length

Important Notes: • Above drawings are not to scale • All Dimension are in mm

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MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	X7.04	ST	CS	12NF	RH	T50	D07	XX	t5	XXX
Model Bar Stock Socket Weld	X7.04	X7.04									
Version Straight	ST		ST								
Straight Reduced Tip	SR										
Partial Taper	PT										
Full taper	FT										
Material Carbon Steel	CS			CS							
SS 304	S4										
SS 310	S1										
SS 316	S6										
SS 316L	SL										
SS 316 / SS 316L	DC										
Duplex SS 2205	DU										
ASTM A350 LF2	F2										
Monel 400	M4										
Inconel 625	I5										
Inconel 825	I2										
Hast C-276	HC										
Instrument Connection ½" NPT (F)	12NF				12NF						
½" BSP (F)	12BF										
¾" NPT (F)	34NF										
¾" BSP (F)	34BF										
M20 × 1.5 (F)	M20F										
Types of Head Round Headed	RH					RH					
Lagging Extension 'T' 50 mm	T50						T50				
Customer Specific	TXX										
Bore Diameter 'D' 7 mm	D07							D07			
Customer Specific	XXX										
Finished Head Size 'A' Specify in mm	XX								XX		
Tip Thickness 't' 6.35 mm	t5									t5	
Customer Specific	XXX										
Insertion Length 'U/IL' Please specify in 'mm' e.g. for 200 mm mention IL200mm	XXX										XXX

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STRAIGHT	STRAIGHT REDUCED TIP	PARTIAL	FULL TAPER
<p>Major Diameter 'B' Please Specify in 'mm' e.g. for 22 mm, mention B22</p>	<p>Major Diameter of Step 'B' Please Specify in 'mm' e.g. for 22 mm, mention B22</p> <p>Minor Diameter of Step 'A' Please Specify in 'mm' e.g. for 18 mm, mention A18</p> <p>Length of Step 'RL' Please Specify in 'mm' e.g. for 100 mm, Step Length from tip, Specify RL100</p>	<p>Major Diameter of Taper 'B' Please Specify in 'mm' e.g. for 22 mm, mention B22</p> <p>Minor Diameter of Taper 'A' Please Specify in 'mm' e.g. for 18 mm, mention A18</p> <p>Length of Taper 'T' Please Specify in 'mm' e.g. For Taper length from Tip, from tip of 150mm, Specify LT150</p>	<p>Major Diameter of Taper 'B' Please Specify in 'mm' e.g. for 22 mm, mention B22</p> <p>Minor Diameter of Taper 'A' Please Specify in 'mm' e.g. for 18 mm, mention A18</p>

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	X18
Other Options		
IBR Certification	X18	X18
Tested to NACE Standards	X20	
Certification for Oxygen Service	X21	
Plug & chain in SS	X77	
IGC Test	X79	
Certification for Hydrogen Service	X81	
WFC as per PTC 19.3TW:2010	X82	
Radiography for Bore Concentricity	X84	
Ultrasonic Test	X85	
Chemical Composition Test	X86	
PMI Test	X89	
Electropolishing	X91	

SAMPLE ORDERING CODE:

X7.04-ST.CS.12NF.RH.T50.D07.XX.t5.XXX.X18

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and material specified may be replaced by others without prior notice.