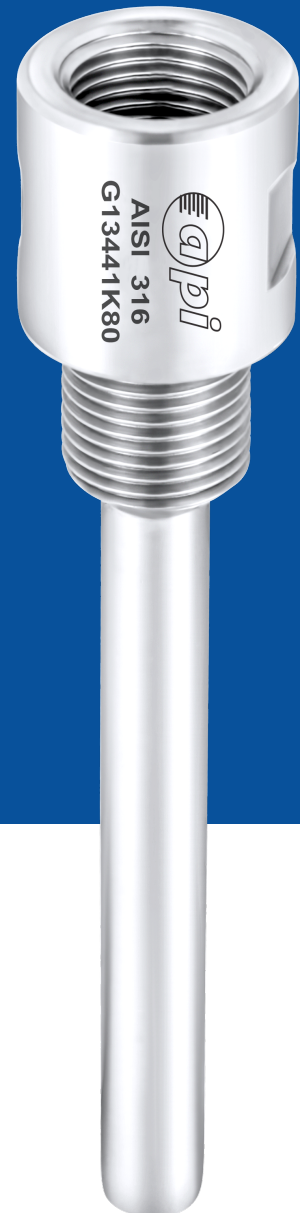


BAR STOCK THREADED THERMOWELL

MODEL
X7.01



PRODUCT DESCRIPTION

Thermowells are used to protect the measuring instrument from corrosion, high pressure or high fluid velocity and to allow the measuring instrument removal for recalibration or replacement without affecting the process system. Thermowells are typically constructed of solid drilled-out bar stock and are designed to protect a temperature sensor from flow, high pressure and harsh environments. It is suitable for heavy work conditions. These thermowells have a conic immersion length.



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KEY FEATURES

- Solid bar stock drilled design with Threaded process connection
- These thermowell are installed directly into the process with the help of threaded process connection
- Ideal for use in longer length tank & vessel where bar stock is a limitation
- Different shank style- Straight, Straight Reduced Tip, Partial Taper, Full taper

APPLICATION

- Air & flue gas
- Tank, Boilers & vessels
- Oil & Gas applications
- Corrosive environments
- Power & Steel industries
- On-shore/Off-shore application
- Pharma, Chemical, Petrochemical

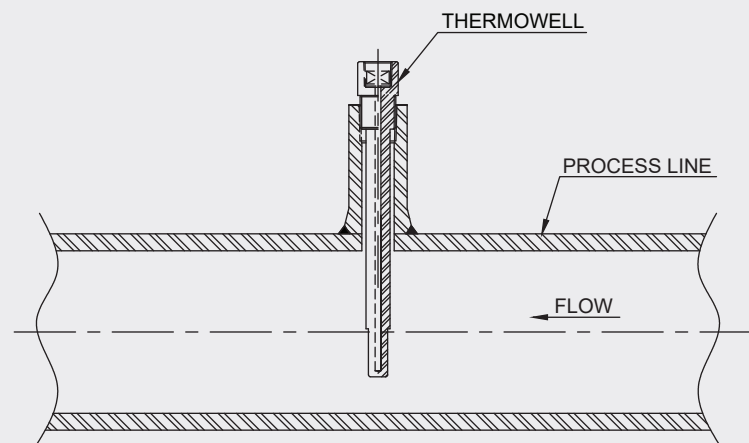
SPECIFICATIONS

Design	:	ASME PTC 19.3
Instrument Connection	:	1/2" NPT (F)
Process Connection	:	1/2" NPT (M)
Bore diameter	:	Ø7 mm
Tip thickness	:	6.35 mm
Lagging extension	:	50 mm
Head Diameter	:	Ø28 mm
Shank Style	:	Straight, Taper, Reduced Tip, Partial Taper

MATERIAL OF CONSTRUCTION

Well material : SS 316

DIMENSIONAL DRAWINGS

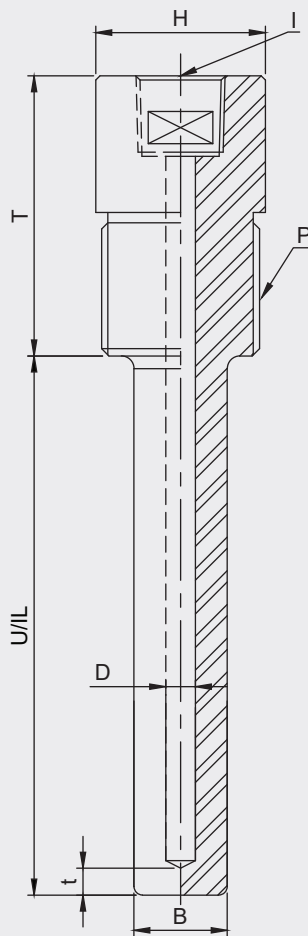


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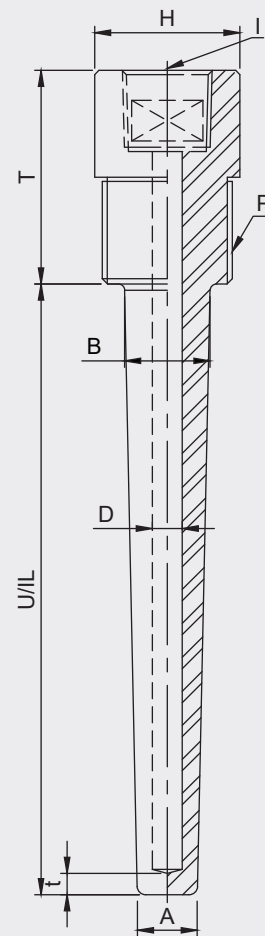
MODEL X7.01

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

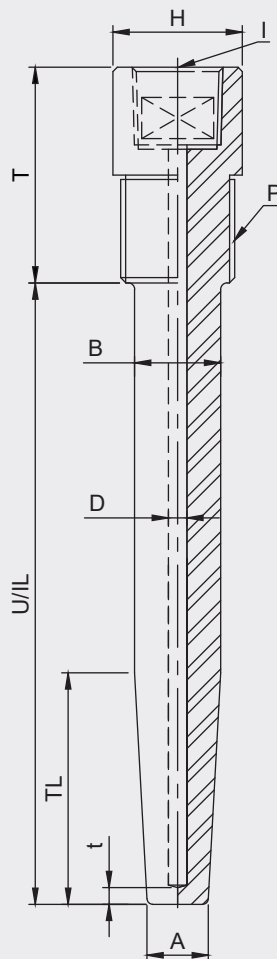
Important Notes: • Above drawings are not to scale • All Dimension are in mm

BAR STOCK THREADED THERMOWELL

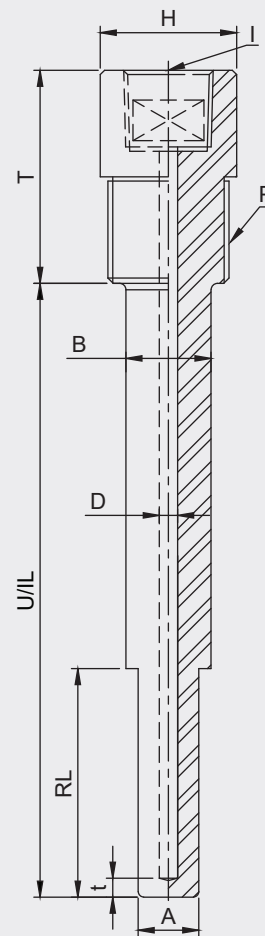
MODEL X7.01

DIMENSIONAL DRAWINGS

Partial Taper



Reduced Tip



- | | | | |
|---------------------------|-------------------------|-------------------------|-------------------|
| 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

BAR STOCK THREADED THERMOWELL

MODEL X7.01

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	X7.01	ST	CS	12NF	12NM	H28	HH	T50	D07	t5	XXX
Model Bar Stock Threaded Thermowell	X7.01	X7.01										
Version Straight	ST		ST									
Straight Reduced Tip	SR											
Partial Taper	PT											
Full taper	FT											
Well Material Carbon Steel	CS			CS								
SS 304	S4											
SS 310	S1											
SS 316	S6											
SS 316L	SL											
Duplex SS 2205	DU											
Monel 400	M4											
Inconel 600	I6											
Hast C-276	HC											
SS 316 / 316L	DC											
Instrument Connection ½" NPT (F)	12NF				12NF							
½" BSP (F)	12BF											
¾" NPT (F)	34NF											
¾" BSP (F)	34BF											
M20 × 1.5 (F)	M20F											
Process Connection ½" NPT (M)	12NM					12NM						
½" BSP (M)	12BM											
M20M x 1.5 (M)	M20M											
¾" NPT (M)	34NM											
¾" BSP (M)	34BM											
M33 × 2 (M)	M33M											
1" NPT	01NM											
1" BSP	01BM											
Head Diameter 'H' 28 mm	H28						H28					
Customer Specific	XXX											
Type of Head Hex Headed	HH							HH				
Round Head with Spanner Slot	RH											
Lagging Extension 'T' 50 mm	T50								T50			
Customer Specific	XXX											
Bore Diameter 'D' 7 mm	D07									D07		
9 mm	D09											
11 mm	D11											
Customer Specific	XXX											
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

BAR STOCK THREADED THERMOWELL

MODEL X7.01

TABLE - 1

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

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	X17
Other Options		
Material Test Certificate	X17	X17
IBR Certification	X18	
Tested to NACE Standards	X20	
Certification for Oxygen Service	X21	
Hydro Test Certificate	X53	
Plug & chain in SS	X77	
IGC Test	X79	
Certification for Hydrogen Service	X81	
WFC as per PTC 19.3TW:2010	X82	
Ultrasonic Test	X85	
Chemical Composition	X86	
PMI Test	X89	

SAMPLE ORDERING CODE:

X7.01-ST.CS.12NF.12NM.H28.HH.T50.D07.t5.XXX.X17

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.