

# Screwed Type Thermowell

## General Description

Screwed Type thermowell are precision components manufactured to the highest standard from pipe, tube and bar to serve as "protective devices for primary sensing elements of all types."

A wide range of possible products are available. Conditions of pressure, temperature, velocity and corrosion resistance govern the size, shape and selection of materials to ensure optimum dependability, response time and accuracy.



## Standard Specification Overview

### Stem Outdiameter

A wide variety of tube or pipe sizes in a variety of schedules subject to requirements and process conditions.

### Material

A wide range of materials are available including 304, 316, 321 stainless steel, 446 Cr-Fe, Carbon Steel, Chromium Steels, Hastelloy C22, C276 and X, Incoloy 800, Inconel 600, Monel 600 and Titanium.

### Instrument Connection

Female in NPT, PT, PF or other thread forms.

### Process Connection

Connection to the pipe or vessel may be by means of thread. Using standard tapered or parallel pipe threads for simplicity and low cost is popular, generally for low pressure applications. Standard threads are NPT, BSP (Pl), BSP (Tr) and others. The thread size is dependent on the application. Standard sizes range from 1/2" to 2".

## Ordering Information for Thermowell

● = Standard Products   ▲ = Available   NA = Not Available

Model	Description			
WT	Hexagonal bar-stock screwed-in type			
WL	Hexagonal bar-stock screwed-in type with Lagging extension			
WE	End close tube screwed-in type			
Code	Internal thread	WT	WL	WE
F	PF 1/2"	▲	▲	▲
T	PT 1/2"	▲	▲	▲
N	NPT 1/2"	●	●	●
X	Others	▲	▲	▲
Code	Process Connection type	WT	WL	WE
1	NPT	●	●	●
2	PT	●	●	●
3	PF	●	●	●
Code	Process Connection size	WT	WL	WE
F	1/2"	●	●	●
H	3/4"	●	●	●
J	1"	●	●	●
P	1 1/4"	●	●	●
R	1 1/2"	●	●	●
T	2"	●	●	●
X	Others	☞	☞	☞
Code	Well Material	WT	WL	WE
SF	304 SS	▲	▲	▲
SS	316/316L SS	●	●	●
MO	Monel	▲	▲	▲
HC	Hastelloy C-276	▲	▲	▲
IN	Inconel 600	▲	▲	▲
IC	Incoloy 800	▲	▲	▲
XX	Others	☞	☞	☞
Code	"T" Lagging Length (mm)	WT	WL	WE
45	45mm	●	▲	●
50	50mm	▲	▲	▲
55	55mm	▲	▲	▲
75	75mm	▲	●	▲
XX	Others	▲	▲	▲
Code	"U" Insertion Length (mm)	WT	WL	WE
0100	100mm	▲	▲	▲
0150	150mm	▲	▲	▲
0200	200mm	▲	▲	▲
0250	250mm	▲	▲	▲
0300	300mm	▲	▲	▲

XXXX	Others	▲	▲	▲
<b>Code</b>	<b>Type</b>	<b>WT</b>	<b>WL</b>	<b>WE</b>
T	Tapered	●	●	NA
S	Straight	▲	▲	●
P	Stepped	▲	▲	NA
<b>Code</b>	<b>Bore diameter</b>	<b>WT</b>	<b>WL</b>	<b>WE</b>
07	7mm	●	●	●
09	9mm	▲	▲	▲
10	10mm	▲	▲	▲
XX	Others	▲	▲	▲
<b>Code</b>	<b>Tip diameter</b>	<b>WT</b>	<b>WL</b>	<b>WE</b>
14	14	▲	▲	▲
16	16	▲	▲	▲
17	17	▲	▲	▲
19	19	▲	▲	▲
X	Others	▲	▲	▲
<b>Code</b>	<b>Root diameter</b>	<b>WT</b>	<b>WL</b>	<b>WE</b>
14	14	▲	▲	▲
16	16	▲	▲	▲
17	17	▲	▲	▲
19	19	▲	▲	▲
20	20	▲	▲	▲
21	21	▲	▲	▲
23	23	▲	▲	▲
25	25	▲	▲	▲
XX	Others	▲	▲	▲
<b>Code</b>	<b>Option</b>	<b>WT</b>	<b>WL</b>	<b>WE</b>
O	None	●	●	●
A	Chain & Plug (304 SS)	▲	▲	▲
B	Chain & Plug (316 SS)	▲	▲	▲
L	PTFE Lining	▲	▲	▲
C	Stellite coating	▲	▲	▲
B	Buffing # 300	▲	▲	▲
H	Helium leak test	▲	▲	▲
D	Dye penetration test	▲	▲	▲
X	X-Ray Inspection	▲	▲	▲
P	hydraulic pressure test	▲	▲	▲
M	Macro test	▲	▲	▲
V	Vortex breaker	▲	▲	▲

Sample Model Selection : WTF1SS0250N4507T43

\* The standard specification and price are subject to change without prior notice