

# All Kinds of Thermowells

طراحی، محاسبه و ساخت انواع ترموولها بر اساس استانداردهای ASME B16.5, ASME PTC19.3 جهت مصارف صنایع نفت، گاز، پالایش و پتروشیمی تولید با متریالهای Hastelloy C, Monel, SS316L, SS304L, Alloy600 و متریالهای مورد نیاز دیگر پذیرفته شده در وندور لیست شرکتهای نفت، گاز، پالایش و پتروشیمی و شرکتهای تابعه

## APPLICATION:

## STRENGTH CALCULATION محاسبه

Petrochemical, Oil, Gas, On/Off Shore, Plant engineering.

Chemical engineering, Process engineering, Apparatus engineering.

Wide range of applications in Machine, Tank, Pipeline, Apparatus construction and heating technology for low, medium and high process loads.

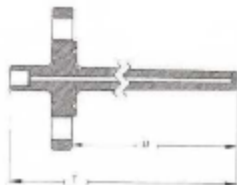
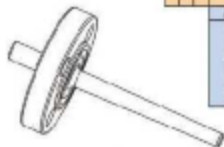


Material:	Stainless steel 304L, 316L(NACE), Inconel, hastelloy, PTFE coating
Insertion Length(L):	To customer specification (max.:2000mm)
Bore size:	6mm, 7mm, 8mm, 10mm, ...
Connection to the thermometer:	1/2NPT, 3/4NPT, 1/4NPT, G1/2, G3/4
Process connection:	Flange (RF, RTJ), Weld, Thread
Class:	150, 300, 600, 900, 1500, 3000, 5000, 10000



**THERMOWELL**
**Flanged Thermowell**

DTW1 THERMOWELLS			
#1	Configuration		
A	Step shank (Standard)	B	Build-up Thermowell
S	Straight shank	X	Other specify
T	Tapered shank		
#2	BORE SIZE		
2	True		
3	Saw		
X	Other specify		
#3	U LENGTH (mm)		
#4	WELL AND FLANGE MATERIAL		
C	Carbon steel		
S	304 L SS		
L	316 L		
N	Inconel 600		
H	Hastelloy C-276		
X	Other specify		
#5	SIZE OF FLANGE		
3	1"	5	2"
4	1 1/2"	X	Other specify
#6	FLANGE RATING		
A"	150	E	1500
B"	300	F	3000
C"	600	X	Other specify
D"	900		
#7	FLANGE RATING		
1	Rasheed face (RF)		
2	Ring Joint Type (RTJ)		
X	Other specify		

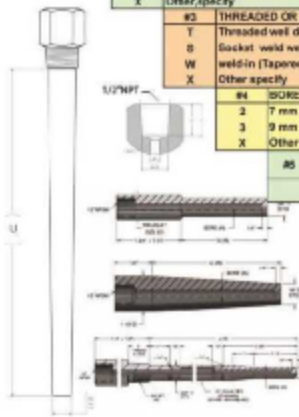


DTW1 A T S O S I S B X

# THERMOWELL



DTW2																		
#1	<table border="1"> <thead> <tr> <th>THREADED WELLS / EXTERNAL THREAD</th> <th>SOCKET WELL WELDOLET SIZE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1/2" NPT</td> <td>N/A</td> </tr> <tr> <td>2</td> <td>3/4" NPT(Standard)</td> <td>3/4" 1.050"e</td> </tr> <tr> <td>3</td> <td>1" NPT</td> <td>1" 1.315"e</td> </tr> <tr> <td>4</td> <td>1 1/2" NPT</td> <td>1 1/2" 1.560"</td> </tr> <tr> <td>X</td> <td colspan="2">Other,specify</td> </tr> </tbody> </table>	THREADED WELLS / EXTERNAL THREAD	SOCKET WELL WELDOLET SIZE	1	1/2" NPT	N/A	2	3/4" NPT(Standard)	3/4" 1.050"e	3	1" NPT	1" 1.315"e	4	1 1/2" NPT	1 1/2" 1.560"	X	Other,specify	
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X	Other,specify																	
#2	SHANK STYLE																	
A	Step shank																	
S	Straight shank																	
T	Tapered shank																	
X	Other,specify																	
#3	THREADED OR SOCKET WELD WELLS																	
T	Threaded well design																	
S	Socket weld well design																	
W	weld-in (Tapered shank standard)																	
X	Other specify																	
#4	BORE SIZE																	
2	7 mm																	
3	9 mm																	
X	Other specify																	
#5	U LENGTH (mm)																	
#6	WELL MATERIAL																	
E	F22																	
F	F11																	
G	Carbon steel																	
H	304 Stainless steel																	
I	Low Carbon 304 Stainless steel																	
J	313 Stainless steel																	
K	313 Stainless steel (Standard)																	
L	Low Carbon 316 Stainless steel																	
M	Inconel 600																	
N	Monel 800																	
D	Hastelloy C-276																	
S	Titanium																	
X	Other,specify (i.e.-Teflon,PVC,Nickel,etc.)																	



DTW2 2 A T 2 E T H 1