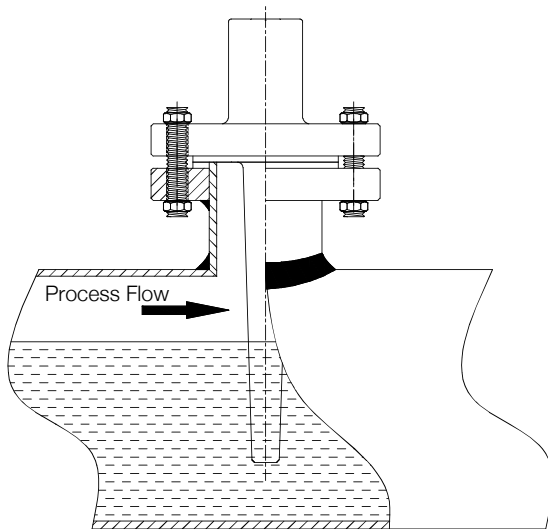


TW.511 Heavy Duty Flange Thermowell - Solid Drilled Bar Stock

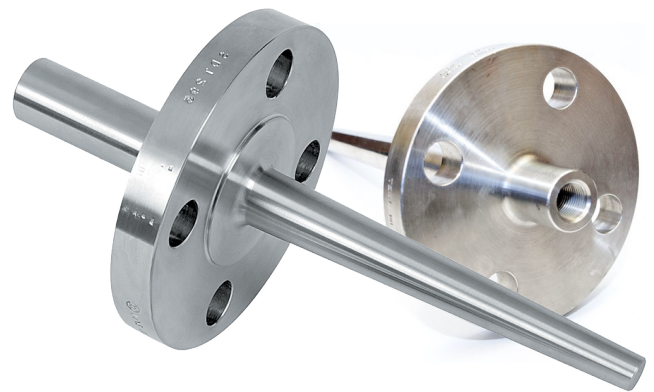
Thermowell is used to protect the sensing instrument from direct contact with process which will lead sensing instrument to become malfunction due to the process pressure and chemical attack. Another advantage of thermowells is the possibility of removing the sensor without any risk of affecting the tightness of the enclosure and without stopping the process.

Several bolts will help to have easy mounting way during assembling or disassembling with process flanges.

Thermowell specifications should be determined based on process conditions which include strength, temperature, pressure and corrosion resistance requirements. The tapered design is suited for heavy duty applications where greater rigidity is required for increased pressure and flow process conditions.



Typically installation of flanged thermowell



General Construction of flanged thermowell

Process Connection

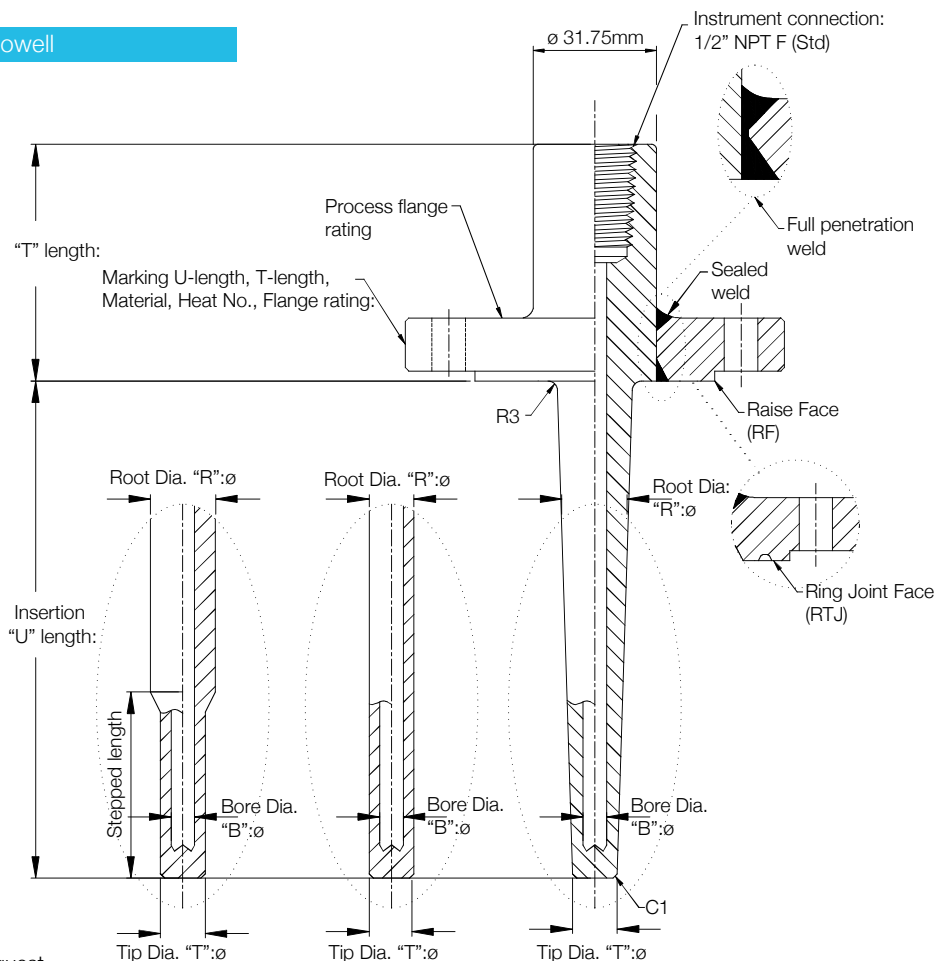
Flange size	1", 1-1/2", 2", 3"
Flange facing	RF or RTJ
Flange Standard	ASME B 16.5
Welding	Sealed or Full
Standard	60 mm
T-length	(RF up to 600#) 80 mm (RF above 900# and RTJ)
Materials	SS 316/L Inconel 600 Monel 400 Hastelloy C 276 Duplex F51 A350 LF2 Inconel 800H/HT

Note: Other special alloy is available upon request.

Testings and standards

Material Certificate	EN 10204-3.1B
Hydrostatic Test	ASME B16.5
Dye Penetration Test	ASTM E165
Wake Frequency	ASME PTC 19.3
NACE Hardness	NACE MR 01-03
PMI	ASME Section II
MPI	ASME B31.3-2008
Radiograph Test	ASME B31.3-2008
Ultrasonic Test	ASME B31.3-2008

Note: Other testing will be available upon request.



TW.511 Heavy Duty Flange Thermowell - Solid Drilled Bar Stock

Flange size & pressure rating : (Available as “RF” and “RTJ”)									
1A	1"150 # RF	(Note : the data for reference only , it may varies upon request)							
	1.5K	1-1/2" 1500# RTJ	(Note : the data for reference only , it may varies upon request)						
Welding structure									
W1	Full Penetration Weld								
W2	Sealed Weld								
Flange material									
S	SS 316								
Y2	Special version to be specified (Note : the data for reference only , it may varies upon request)								
Thermowell material									
S	SS 316								
Y3	Special version to be specified (Note : the data for reference only , it may varies upon request)								
Thermowell insertion length “U” : (mm)									
XXXX	To be specified (e.g 0125 for 125 mm long)								
“T” length: (mm)									
T1	60 mm (STD)								
T2	80 mm								
Y4	Special version to be specified								
Tip thickness “E”									
E	6 mm (Std)								
Y5	Special version to be specified								
Stem dimensions “ØR , ØT”									
RT1	Root: Ø 26.5 mm , Tip: Ø 18 mm								
RT2	Root: Ø 19 mm , Tip: Ø 13 mm								
RT3	Root: Ø 22 mm , Tip: Ø 13 mm								
T4	Tip: Ø 19 mm								
T5	Tip: Ø 21.5 mm								
Y6	Special version to be specified								
Bore diameter “ØB”									
B 1	6.6 mm (STD)								
B 2	7 mm								
B 3	8 mm								
Y7	Special version to be specified								
Instrument connection									
N	1/2" NPT F (STD)								
Y8	Special version to be specified								
TW.511									
1	2	3	4	5	6	7	8	9	10

Order Code



Order Code