

THERMOWELLS

APPLICATIONS

Thermowells protect temperature probes from pressure, flow and corrosion. Immerse the thermowell at least 2.5" (65mm) for accurate readings. The thermowell should extend beyond the center of the fluid stream without touching the opposite wall. Installation in an elbow or tee may be necessary for sufficient immersion in small pipes.

MATERIAL

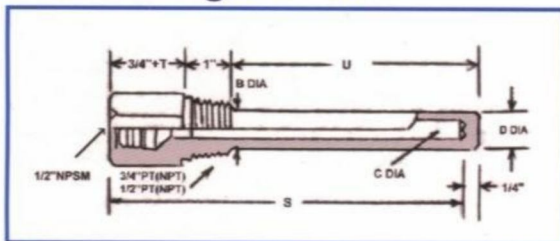
Stainless steel 304 ; stainless steel 316 ; stainless steel 316L ; brass

Options : PTFE (Teflon) or PFA coating

TYPES

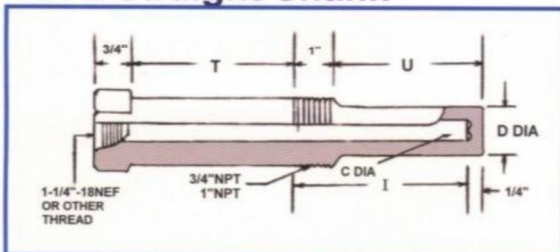
There are six types of thermowells. With or without extension "T" upon request.

I. Threaded Appearance A-1 Straight Shank

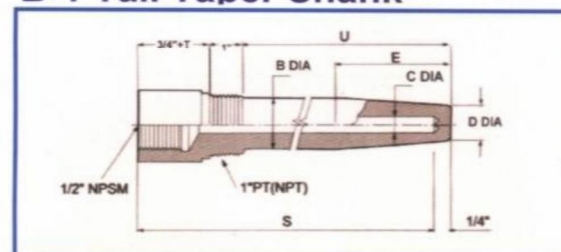


Thread	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"
C	.250"		.250"		.250"	
D	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
S	2-1/2"+T		4"		6"	
U	2"		2-1/2"		4-1/2"	

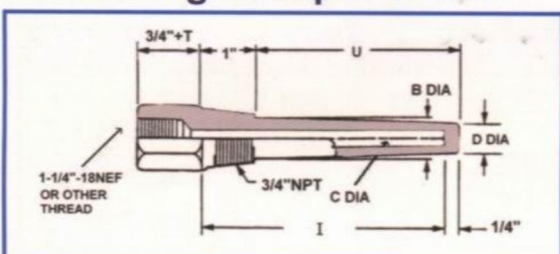
A-2 Straight Shank



B-1 Tail Taper Shank



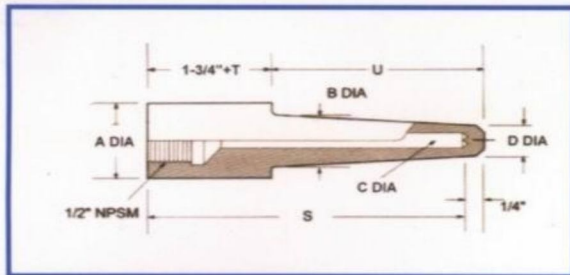
B-2 Integral Taper Shank



A-2 & B-1 & B-2 Shank

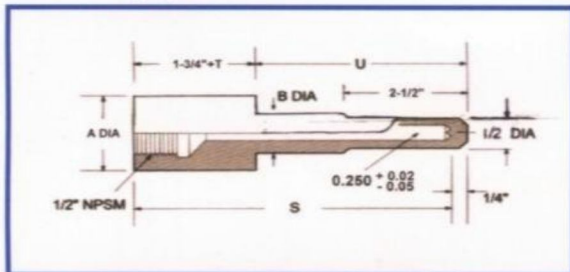
Thread	3/4"	1"	3/4"	1"	3/4"	1"	3/4"	1"	3/4"	1"	3/4"	1"	3/4"	1"
B	3/4"	7/8"	3/4"	7/8"	3/4"	7/8"	3/4"	7/8"	3/4"	7/8"	3/4"	7/8"	3/4"	7/8"
C	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"
D	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
E	0	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
I	3-1/2"	6"	9"	12"	15"	18"	24"							
U	2-3/4"	5-1/4"	8-1/4"	11-1/4"	14-1/4"	17-1/4"	23-1/4"							

B. Taper Shank



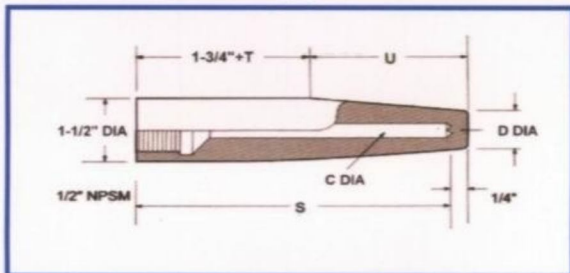
Pipe Size	A	B	C	D
3/4"	1.050"	7/8"	.250"	5/8"
1"	1.315"	1-1/16"	.250"	5/8"
3/4"	1.050"	7/8"	.385"	49/64"
1"	1.315"	1-1/16"	.385"	49/64"

C. Stepped Shank



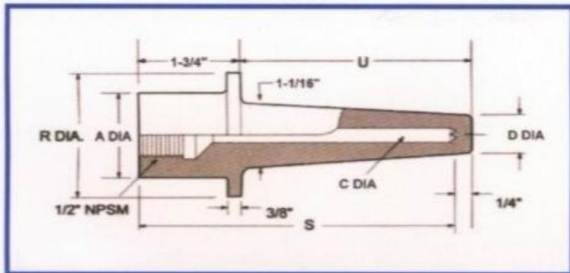
Pipe Size	A	B	C
3/4"	1.050"	3/4"	.250"
1"	1.315"	7/8"	.250"

IV. Weld-In Appearance Taper Shank



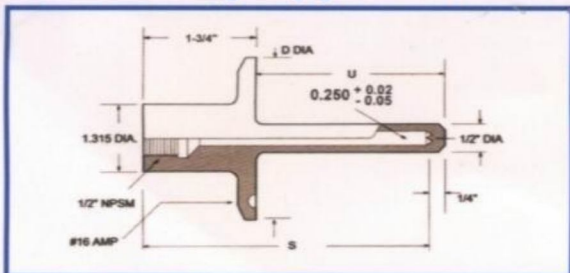
C	D	S	U
.250"	5/8"	2-1/2"	1-5/8"
.250"	5/8"	4"	2-1/2"
.250"	5/8"	6"	4-1/2"
.250"	5/8"	9"	7-1/2"

V. Van Stone Appearance Taper Shank



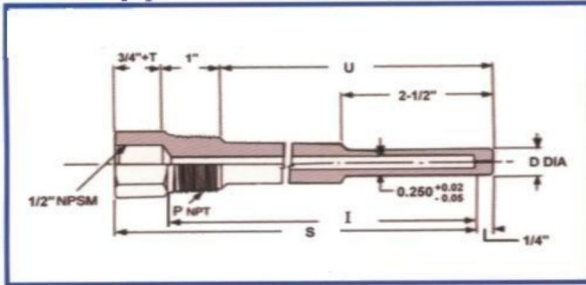
Pipe Size	A	B	C	D
1"	1.315"	2"	.250"	5/8"
1-1/2"	1.900"	2-7/8"	.250"	5/8"
1"	1.315"	2"	.385"	49/64"
1-1/2"	1.900"	2-7/8"	.385"	49/64"

VI. Sanitary Appearance Straight Shank



Description	Actual Diameter
1-1/2"	1.984"
2"	2.516"
2-1/2"	3.047"
3"	3.579"
4"	4.682"

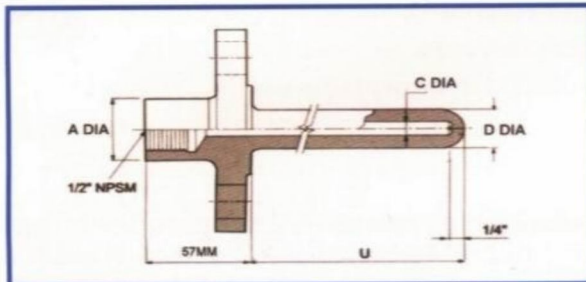
C. Stepped Shank



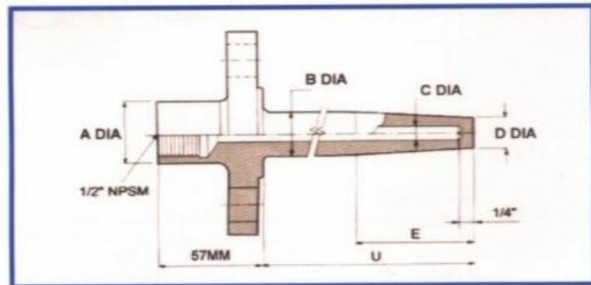
Thread	3/4"	1"	3/4"	1"	3/4"	1"	3/4"	1"
C	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"
D	5/8" or 1/2"	5/8" or 1/2"	5/8" or 1/2"	5/8" or 1/2"	5/8" or 1/2"	5/8" or 1/2"	5/8" or 1/2"	5/8" or 1/2"
I	3-1/2"	6"	9"	12"				
S	4-1/4"	6-3/4"	9-3/4"	12-3/4"				
U	2-3/4"	5-1/4"	8-1/4"	11-1/4"				

II. Flanged Appearance

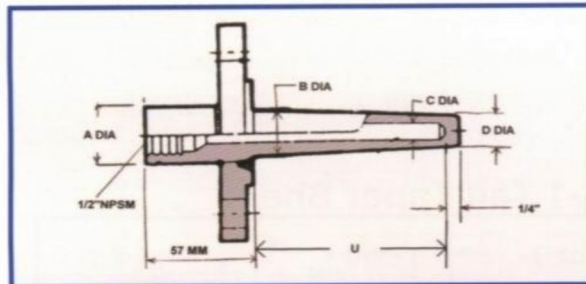
A. Straight Shank



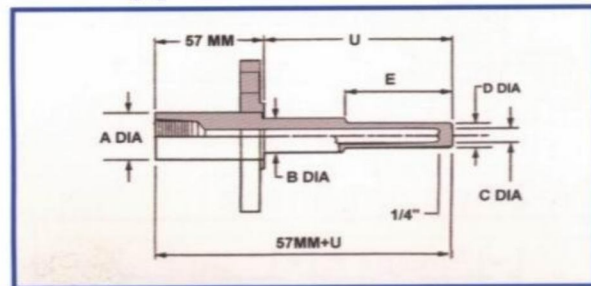
B-1. Tail Taper Shank



B-2. Integral Taper Shank



C. Stepped Shank

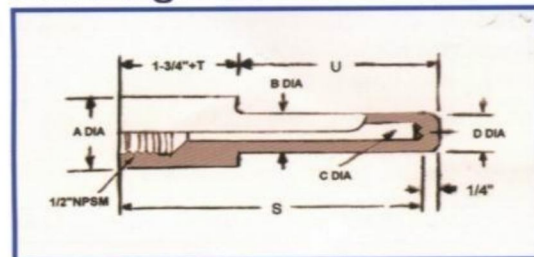


A & B-1 & B-2 & C Shank

Flange	A	B	C	D	E	U
3/4"	1-1/16"	7/8"	.250"	5/8"	0 ~ 2-1/2"	1" ~ 22-1/2"
1"	1-1/16"	7/8"	.250"	5/8"	0 ~ 2-1/2"	1" ~ 22-1/2"
1-1/2"	1-1/16"	7/8"	.250"	5/8"	0 ~ 2-1/2"	1" ~ 22-1/2"
2"	1-1/16"	7/8"	.250"	5/8"	0 ~ 2-1/2"	1" ~ 22-1/2"

III Socket Weld Appearance

A. Straight Shank



Thread	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"
C	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"	.250"
D	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
S	2-1/2"	4"	6"	9"	12"					
U	1"	2-1/2"	4-1/2"	7-1/2"	10-1/2"					

FLOW SWITCHES