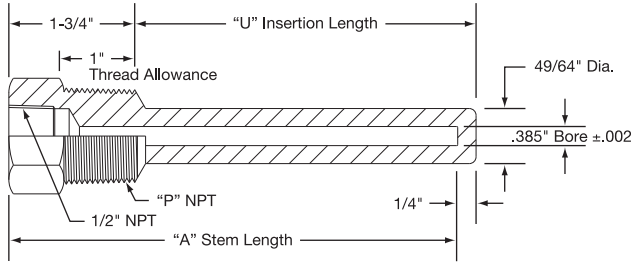


Thermowells

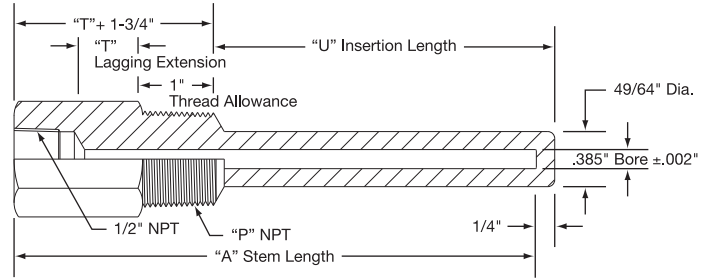
Series 30 Straight Shank with .385" Bore for 3/8" Diameter Elements

Standard Duty Threaded



Series 35 Straight Shank — Lagging Extension Type with .385" Bore for 3/8" Diameter Elements

Standard Duty Threaded



Series 30 Standard Sizes

Part Number	External Thread "P"	Stem Length "A" (in)	Insertion Length "U" (in)
TWL3021	3/4" NPT	4	2 1/2
TWL3022		6	4 1/2
TWL3023		9	7 1/2
TWL3024		12	10 1/2
TWL3025		15	13 1/2
TWL3026		18	16 1/2
TWL3028		24	22 1/2
TWL3031	1" NPT	4	2 1/2
TWL3032		6	4 1/2
TWL3033		9	7 1/2
TWL3034		12	10 1/2
TWL3035		15	13 1/2
TWL3036		18	16 1/2
TWL3038		24	22 1/2

Series 35 Standard Sizes

Part Number	External Thread "P"	Lagging Extension "T" (in)	Stem Length "A" (in)	Insert Length "U" (in)
TWL3521	3/4" NPT	2	6	2 1/2
TWL3522		3	9	4 1/2
TWL3523		3	12	7 1/2
TWL3524		3	15	10 1/2
TWL3525		3	18	13 1/2
TWL3527		3	24	19 1/2
TWL3531		1" NPT	2	6
TWL3532	3		9	4 1/2
TWL3533	3		12	7 1/2
TWL3534	3		15	10 1/2
TWL3535	3		18	13 1/2
TWL3537	3		24	19 1/2

Thermowells are available in the following materials:
Steel, Brass, 316 Stainless Steel, 304 Stainless Steel and Monel.

For Ordering Information See Page 14-78

Pressure — Temperature Rating (lbs. per square inch)

Material	Temperature						
	70°F	200°F	400°F	600°F	800°F	1000°F	1200°F
Brass	5000	4222	1000	—	—	—	—
Carbon Steel	5200	5000	4800	4600	3500	1500	—
A.I.S.I. 304	7000	6200	5600	5400	5200	4500	1650
A.I.S.I. 316	7000	7000	6400	6200	6100	5100	2500
Monel	6500	6000	5400	5300	5200	1500	—

Maximum Fluid Velocity Feet Per Second

(See Velocity Ratings on page 14-76)

Material	Insertion Length — "U" (in)							
	2 1/2	4 1/2	7 1/2	10 1/2	13 1/2	16 1/2	19 1/2	22 1/2
Brass	290 (145)	150 (80)	54.1 (48)	27.6	16.7	11.1	8.0	6.0
Carbon Steel	326 (260)	192 (144)	69.5	35.4	20.5	14.3	10.3	7.7
A.I.S.I. 304 & 316	349 (360)	199	71.9	36.6	21.2	14.8	10.7	8.0
Monel	316 (320)	189 (178)	68.1	34.8	20.8	14.0	10.0	7.5



Note: Where single values appear in table, thermowell may be considered safe for water, steam, air or gas. The values in parentheses in the shorter insertion lengths represent safe values for water flow, taking into consideration the velocity pressure effect of water flowing at higher velocities.