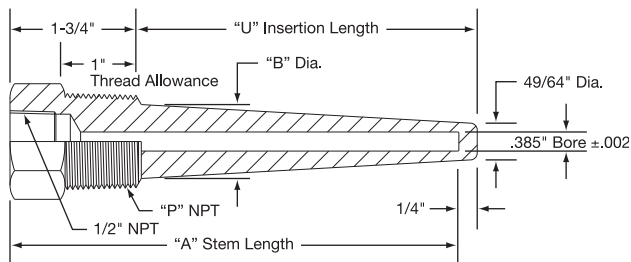


Series 40 Tapered Shank with .385" Bore for 3/8" Diameter Elements

Heavy Duty Threaded

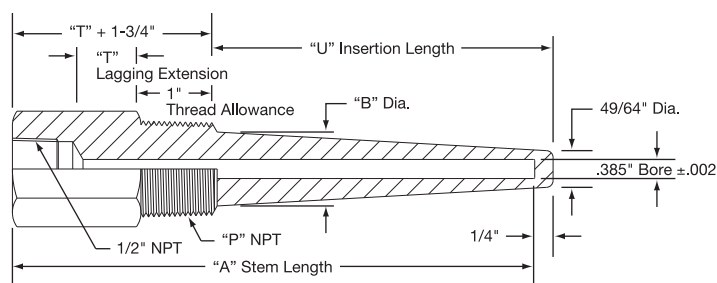


Series 40 Standard Sizes

Part Number	External Thread "P"	Stem Length "A" (in)	Insertion Length "U" (in)	Shank Diameter "B" (in)
TWL4021	3/4" NPT	4	2 1/2	7/8
TWL4022		6	4 1/2	7/8
TWL4023		9	7 1/2	7/8
TWL4024		12	10 1/2	7/8
TWL4025		15	13 1/2	7/8
TWL4026		18	16 1/2	7/8
TWL4028		24	22 1/2	7/8
TWL4031		1" NPT	4	2 1/2
TWL4032	6		4 1/2	1 1/16
TWL4033	9		7 1/2	1 1/16
TWL4034	12		10 1/2	1 1/16
TWL4035	15		13 1/2	1 1/16
TWL4036	18		16 1/2	1 1/16
TWL4038	24		22 1/2	1 1/16

Series 45 Tapered Shank — Lagging Extension Type with .385" Bore for a 3/8" Diameter Element

Heavy Duty Threaded



Series 45 Standard Sizes

Part Number	External Thread "P"	Lag. Exten. "T" (in)	Stem Length "A" (in)	Insert Length "U" (in)	Shank Diameter "B" (in)	
TWL4521	3/4" NPT	2	6	2 1/2	7/8	
TWL4522		3	9	4 1/2	7/8	
TWL4523		3	12	7 1/2	7/8	
TWL4524		3	15	10 1/2	7/8	
TWL4525		3	18	13 1/2	7/8	
TWL4527		3	24	19 1/2	7/8	
TWL4531		1" NPT	2	6	2 1/2	1 1/16
TWL4532			3	9	4 1/2	1 1/16
TWL4533	3		12	7 1/2	1 1/16	
TWL4534	3		15	10 1/2	1 1/16	
TWL4535	3		18	13 1/2	1 1/16	
TWL4537	3		24	19 1/2	1 1/16	

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)

Well Type	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
3/4" Series 40 and 45	Brass	276 (127)	124 (79)	44.0	22.0	13.0	8.0	6.0	4.0
	Carbon Steel	352 (228)	191 (114)	68.9	35.0	21.0	14.0	10.0	7.5
	A.I.S.I. 304 & 316	415 (299)	203 (154)	73.2	37.3	22.5	15.0	11.0	8.0
	Monel	340 (255)	172 (134)	62.0	31.0	19.0	12.8	8.0	6.0
1" Series 40 and 45	Brass	321 (150)	129 (83.5)	46.8	23.6	14.5	9.6	6.9	5.1
	Carbon Steel	410 (270)	249 (150)	90.3	45.6	27.8	18.5	13.2	9.8
	A.I.S.I. 304 & 316	483 (350)	272 (208)	97.3	49.7	30.4	20.3	14.5	10.7
	Monel	396 (306)	214 (167)	77.5	39.2	23.8	16.0	10.3	7.7



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.