



Industrial Process and Sensor

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WE CAN TAKE THE *HEAT!*

Thermowell Data

This Section Contains

Threaded Thermowells



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From Illinois 618-465-7623

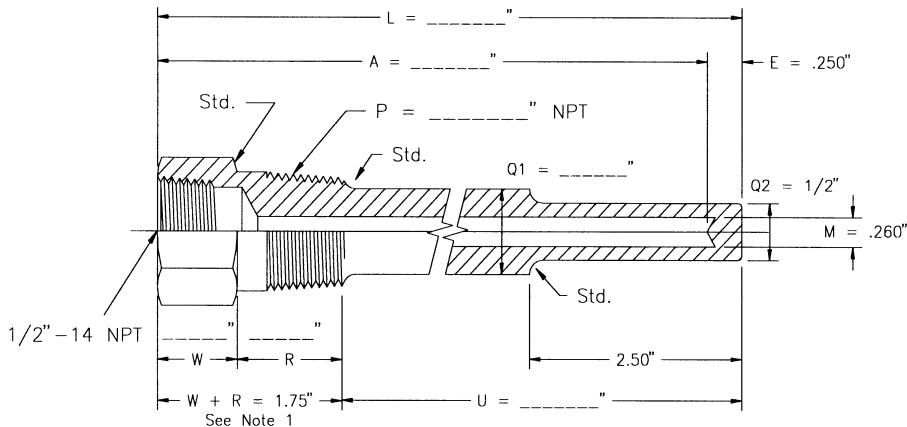
From St. Louis 314-231-0752

Fax 618-465-7679

E-mail info@ipscustom.com

THREADED THERMOWELLS

SERIES R .260



EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	STEM LGTH A	SHANK DIA Q1
1/2" NPT	Ref. Note 2 - U R .260 - U	2-1/2	4	1/2
		4-1/2	6	5/8
		7-1/2	9	5/8
		10-1/2	12	5/8
		13-1/2	15	5/8
		16-1/2	18	5/8
		22-1/2	24	5/8
3/4" NPT	Ref. Note 2 - U R .260 - U	2-1/2	4	1/2
		4-1/2	6	3/4
		7-1/2	9	3/4
		10-1/2	12	3/4
		13-1/2	15	3/4
		16-1/2	18	3/4
		22-1/2	24	3/4
1" NPT	Ref. Note 2 - U R .260 - U	2-1/2	4	1/2
		4-1/2	6	7/8
		7-1/2	9	7/8
		10-1/2	12	7/8
		13-1/2	15	7/8
		16-1/2	18	7/8
		22-1/2	24	7/8

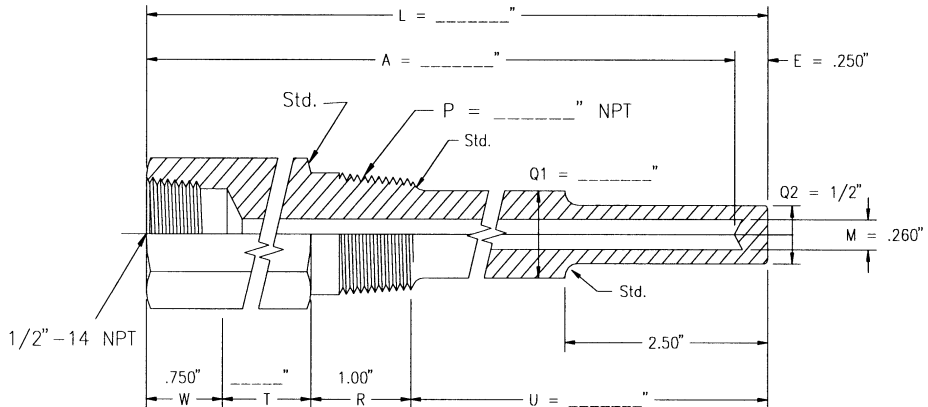
Note 1: When "P" = 1/2" npt, W = 1.00" and R = .750"
When "P" = 3/4" or 1" npt, W = .750" and R = 1.00"

Note 2: When U = 2-1/2" or less, the "U" length is manufactured straight construction and the outside diameter is determined by Series specified, for example:

- Series R: Q1 and Q2 = 1/2" o.d. for all Process Connection sizes.
- Series S: Consult the "Series S .260" catalog page to determine the correct diameter.

THREADED THERMOWELLS

SERIES RL .260

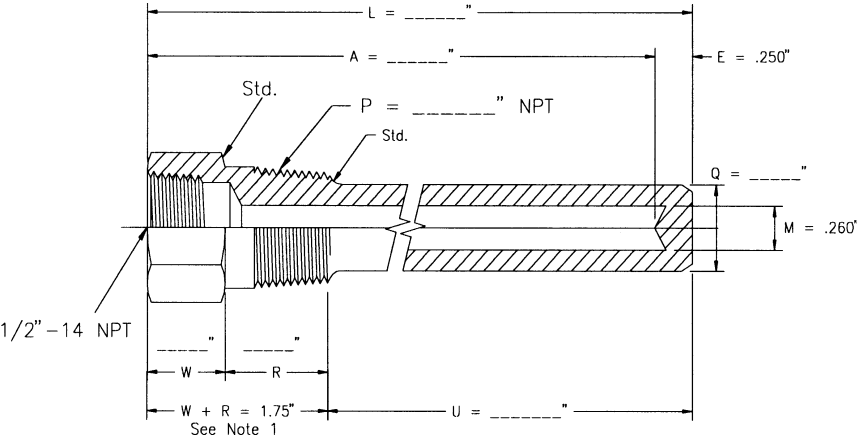


EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	LAG EXT T	STEM LGTH A	SHANK DIA Q1
1/2" NPT	Ref. Note 1 - U RL .260 - U	2-1/2	T2	6	1/2
		4-1/2	T3	9	5/8
		7-1/2	T3	12	5/8
		10-1/2	T3	15	5/8
		13-1/2	T3	18	5/8
		19-1/2	T3	24	5/8
3/4" NPT	Ref. Note 1 - U RL .260 - U	2-1/2	T2	6	1/2
		4-1/2	T3	9	3/4
		7-1/2	T3	12	3/4
		10-1/2	T3	15	3/4
		13-1/2	T3	18	3/4
		19-1/2	T3	24	3/4
1" NPT	Ref. Note 1 - U RL .260 - U	2-1/2	T2	6	1/2
		4-1/2	T3	9	7/8
		7-1/2	T3	12	7/8
		10-1/2	T3	15	7/8
		13-1/2	T3	18	7/8
		19-1/2	T3	24	7/8

Note 1: When U = 2-1/2" or less, the "U" length is manufactured straight construction and the outside diameter is determined by Series specified, for example:

- Series R: Q1 and Q2 = 1/2" o.d. for all Process Connection sizes.
- Series S: Consult the "Series S .260" catalog page to determine the correct diameter.

THREADED THERMOWELLS SERIES S .260

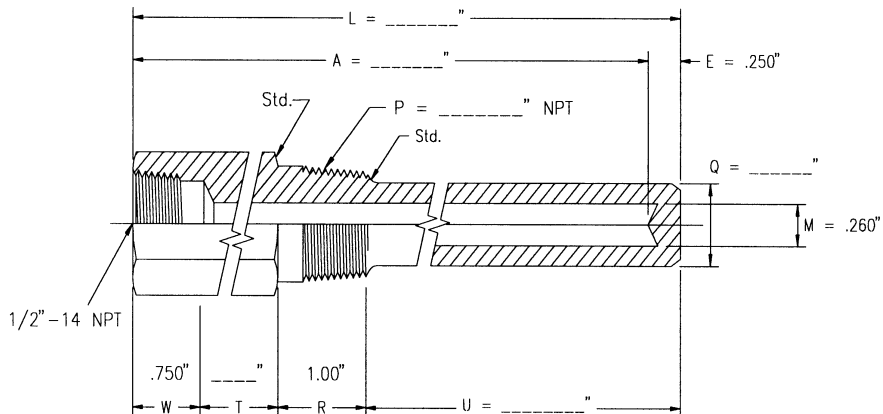


EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	STEM LGTH A	SHANK DIA Q
1/2" NPT	S .260 - U	2-1/2	4	1/2
		4-1/2	6	5/8
		7-1/2	9	5/8
		10-1/2	12	5/8
		13-1/2	15	5/8
		16-1/2	18	5/8
		22-1/2	24	5/8
3/4" NPT	S .260 - U	2-1/2	4	1/2
		4-1/2	6	3/4
		7-1/2	9	3/4
		10-1/2	12	3/4
		13-1/2	15	3/4
		16-1/2	18	3/4
		22-1/2	24	3/4
1" NPT	S .260 - U	2-1/2	4	3/4
		4-1/2	6	7/8
		7-1/2	9	7/8
		10-1/2	12	7/8
		13-1/2	15	7/8
		16-1/2	18	7/8
		22-1/2	24	7/8

Note 1: When "P" = 1/2" npt, W = 1.00" and R = .750"
 When "P" = 3/4" or 1" npt, W = .750" and R = 1.00"

THREADED THERMOWELLS

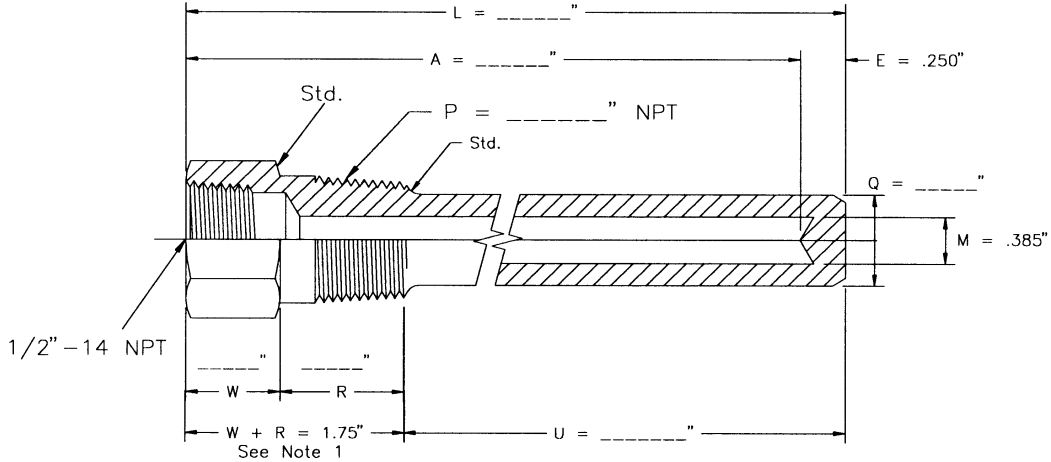
SERIES SL .260



EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	LAG EXT T	STEM LGTH A	SHANK DIA Q
1/2" NPT	SL .260 - U	2-1/2	T2	6	1/2
		4-1/2	T3	9	5/8
		7-1/2	T3	12	5/8
		10-1/2	T3	15	5/8
		13-1/2	T3	18	5/8
		19-1/2	T3	24	5/8
3/4" NPT	SL .260 - U	2-1/2	T2	6	1/2
		4-1/2	T3	9	3/4
		7-1/2	T3	12	3/4
		10-1/2	T3	15	3/4
		13-1/2	T3	18	3/4
		19-1/2	T3	24	3/4
1" NPT	SL .260 - U	2-1/2	T2	6	3/4
		4-1/2	T3	9	7/8
		7-1/2	T3	12	7/8
		10-1/2	T3	15	7/8
		13-1/2	T3	18	7/8
		19-1/2	T3	24	7/8

THREADED THERMOWELLS

SERIES S .385



EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	STEM LGTH A	SHANK DIA Q
1/2" NPT	S .385 - U	2-1/2	4	.680
		4-1/2	6	
		7-1/2	9	
		10-1/2	12	
		13-1/2	15	
		16-1/2	18	
		22-1/2	24	
3/4" NPT	S .385 - U	2-1/2	4	49/64
		4-1/2	6	
		7-1/2	9	
		10-1/2	12	
		13-1/2	15	
		16-1/2	18	
		22-1/2	24	
1" NPT	S .385 - U	2-1/2	4	7/8
		4-1/2	6	
		7-1/2	9	
		10-1/2	12	
		13-1/2	15	
		16-1/2	18	
		22-1/2	24	

Note 1: When "P" = 1/2" npt, W = 1.00" and R = .750"
When "P" = 3/4" or 1" npt, W = .750" and R = 1.00"

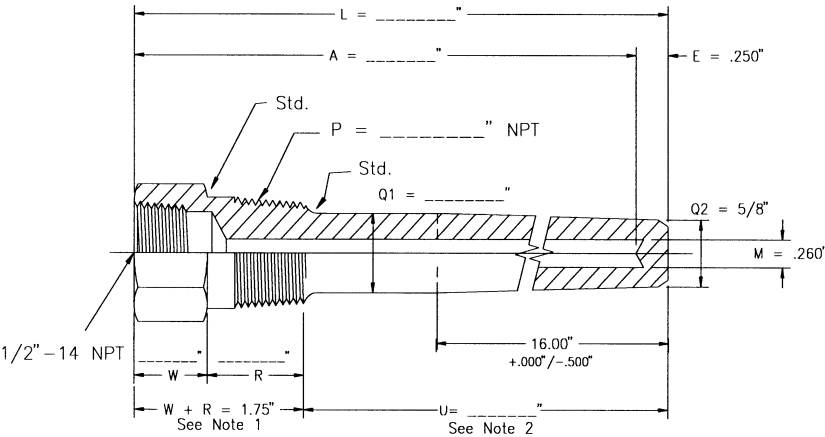
Technical drawing of a mechanical assembly, likely a valve or actuator, showing dimensions and labels. The drawing includes the following dimensions and labels:

- Overall Length:** $L = \text{-----}$ "
- Distance from Left Face to Center of First Thread:** $A = \text{-----}$ "
- Distance from Center of First Thread to Center of Second Thread:** $P = \text{-----}$ " NPT
- Distance from Center of Second Thread to Right Face:** $Q = \text{-----}$ "
- Distance from Left Face to End of First Thread:** $W = \text{-----}$ "
- Distance from End of First Thread to Center of First Thread:** $T = \text{-----}$ "
- Distance from Center of First Thread to Center of Second Thread:** $R = \text{-----}$ "
- Distance from Center of Second Thread to Right Face:** $U = \text{-----}$ "
- Distance from Left Face to End of Second Thread:** 1.00 "
- Distance from End of Second Thread to Right Face:** $.750$ "
- Distance from Left Face to End of First Thread:** $1/2$ " - 14 NPT
- Distance from End of First Thread to Center of First Thread:** $.385$ "
- Distance from Center of First Thread to Center of Second Thread:** $.250$ "

EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	LAG EXT T	STEM LGTH A	SHANK DIA Q
1/2" NPT	SL .385 - U	2-1/2	T2	6	.680
		4-1/2	T3	9	
		7-1/2	T3	12	
		10-1/2	T3	15	
		13-1/2	T3	18	
		19-1/2	T3	24	
3/4" NPT	SL .385 - U	2-1/2	T2	6	49/64
		4-1/2	T3	9	
		7-1/2	T3	12	
		10-1/2	T3	15	
		13-1/2	T3	18	
		19-1/2	T3	24	
1" NPT	SL .385 - U	2-1/2	T2	6	7/8
		4-1/2	T3	9	
		7-1/2	T3	12	
		10-1/2	T3	15	
		13-1/2	T3	18	
		19-1/2	T3	24	

THREADED THERMOWELLS

SERIES H .260



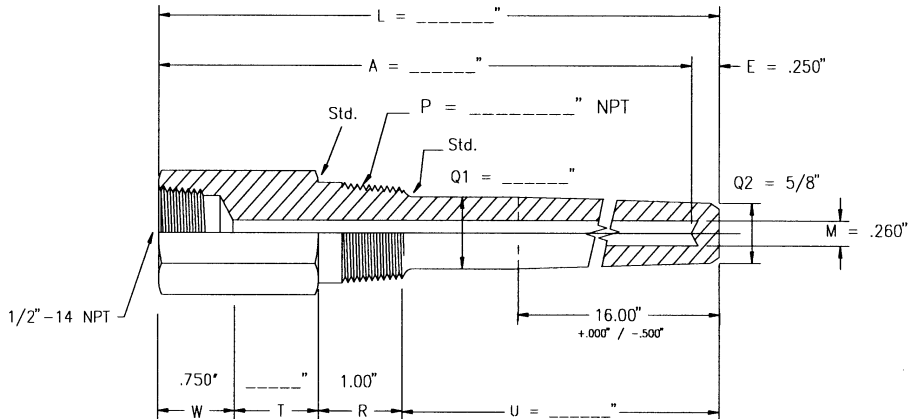
EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	STEM LGTH A	SHANK DIA Q1
1/2" NPT	H .260 - U	2-1/2	4	.680
		4-1/2	6	
		7-1/2	9	
		10-1/2	12	
		13-1/2	15	
		16-1/2	18	
		22-1/2	24	
3/4" NPT	H .260 - U	2-1/2	4	7/8
		4-1/2	6	
		7-1/2	9	
		10-1/2	12	
		13-1/2	15	
		16-1/2	18	
		22-1/2	24	
1" NPT	H .260 - U	2-1/2	4	1-1/16
		4-1/2	6	
		7-1/2	9	
		10-1/2	12	
		13-1/2	15	
		16-1/2	18	
		22-1/2	24	

Note 1: When "P" = 1/2" npt, W = 1.00" and R = .750"
When "P" = 3/4" or 1" npt, W = .750" and R = 1.00"

Note 2: Full length taper provided when "U" <= 16.00"

THREADED THERMOWELLS

SERIES HL .260

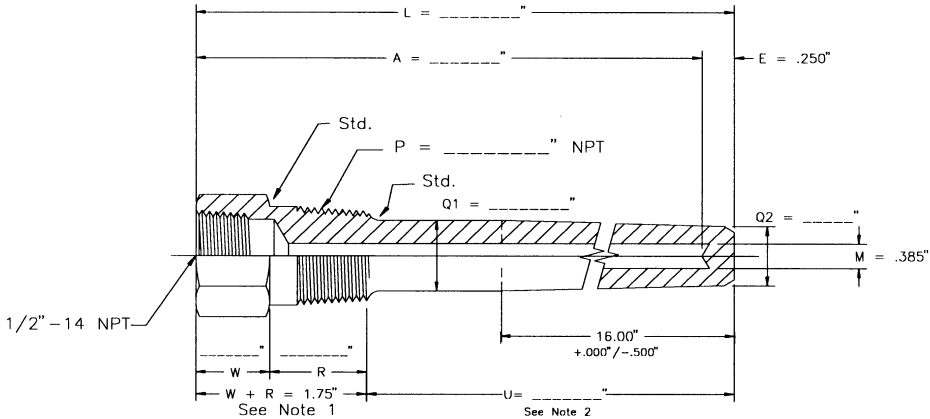


EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	LAG EXT T	STEM LGTH A	SHANK DIA Q1
1/2" NPT	HL .260 - U	2-1/2	T2	6	.680
		4-1/2	T3	9	
		7-1/2	T3	12	
		10-1/2	T3	15	
		13-1/2	T3	18	
		16-1/2	T3	24	
3/4" NPT	HL .260 - U	2-1/2	T2	6	7/8
		4-1/2	T3	9	
		7-1/2	T3	12	
		10-1/2	T3	15	
		13-1/2	T3	18	
		16-1/2	T3	24	
1" NPT	HL .260 - U	2-1/2	T2	6	1-1/16
		4-1/2	T3	9	
		7-1/2	T3	12	
		10-1/2	T3	15	
		13-1/2	T3	18	
		16-1/2	T3	24	

Note 1: Full length taper provided when "U" <= 16.00"

THREADED THERMOWELLS

SERIES H .385



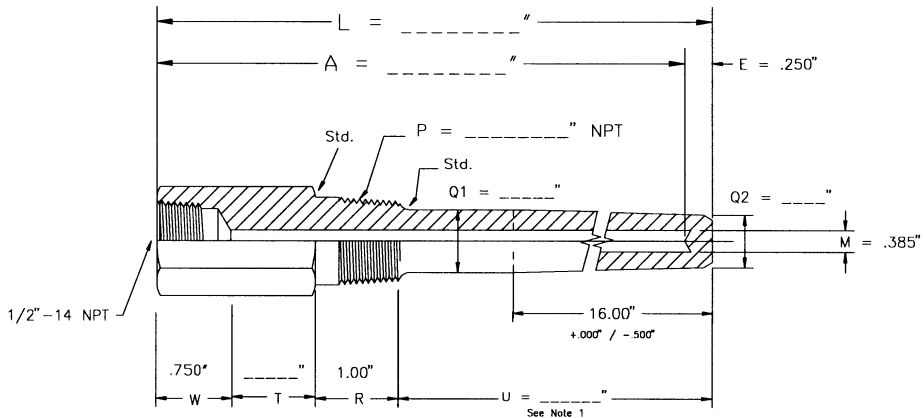
EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	STEM LGTH A	SHANK DIA Q1	SHANK DIA Q2
1/2" NPT	H .385 - U	2-1/2	4	.680	5/8
		4-1/2	6		
		7-1/2	9		
		10-1/2	12		
		13-1/2	15		
		16-1/2	18		
		22-1/2	24		
3/4" NPT	H .385 - U	2-1/2	4	7/8	49/64
		4-1/2	6		
		7-1/2	9		
		10-1/2	12		
		13-1/2	15		
		16-1/2	18		
		22-1/2	24		
1" NPT	H .385 - U	2-1/2	4	1-1/16	49/64
		4-1/2	6		
		7-1/2	9		
		10-1/2	12		
		13-1/2	15		
		16-1/2	18		
		22-1/2	24		

Note 1: When "P" = 1/2" npt, W = 1.00" and R = .750"
When "P" = 3/4" or 1" npt, W = .750" and R = 1.00"

Note 2: Full length taper provided when "U" <= 16.00"

THREADED THERMOWELLS

SERIES HL .385



EXTERNAL THREAD P	CODE NUMBER	INSERT LENGTH U	LAG EXT T	STEM LGTH A	SHANK DIA Q1	SHANK DIA Q2
1/2" NPT	HL .385 - U	2-1/2	T2	6	.680	5/8
		4-1/2	T3	9		
		7-1/2	T3	12		
		10-1/2	T3	15		
		13-1/2	T3	18		
		16-1/2	T3	24		
3/4" NPT	HL .385 - U	2-1/2	T2	6	7/8	49/64
		4-1/2	T3	9		
		7-1/2	T3	12		
		10-1/2	T3	15		
		13-1/2	T3	18		
		16-1/2	T3	24		
1" NPT	HL .385 - U	2-1/2	T2	6	1-1/16	49/64
		4-1/2	T3	9		
		7-1/2	T3	12		
		10-1/2	T3	15		
		13-1/2	T3	18		
		16-1/2	T3	24		

Note 1: Full length taper provided when "U" <= 16.00"

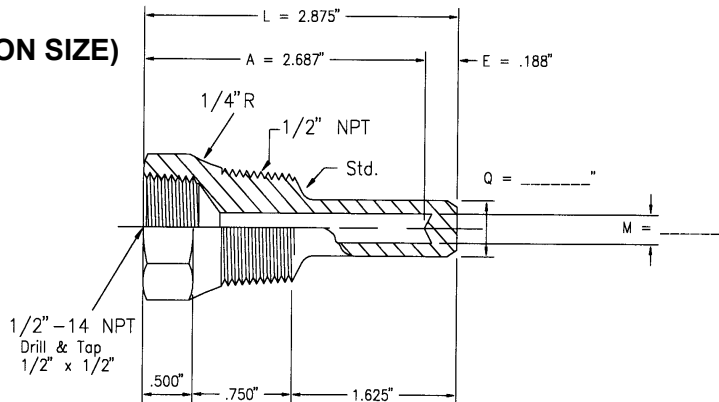
THREADED THERMOWELLS

SERIES LS

SERIES

1/2" LS

(1/2" PROCESS CONNECTION SIZE)



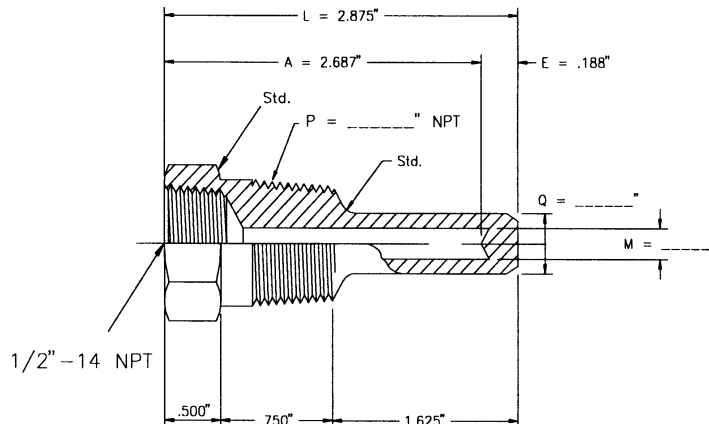
Note 1: When "M" = .260", "Q" = .500"
When "M" = .385", "Q" = .680"

SERIES

3/4" LS

&

1" LS



Note 1: When "M" = .260", "Q" = .500"
When "M" = .385", "Q" = .766"