THREADED, SOCKET WELD, & WELD-IN THERMOWELLS

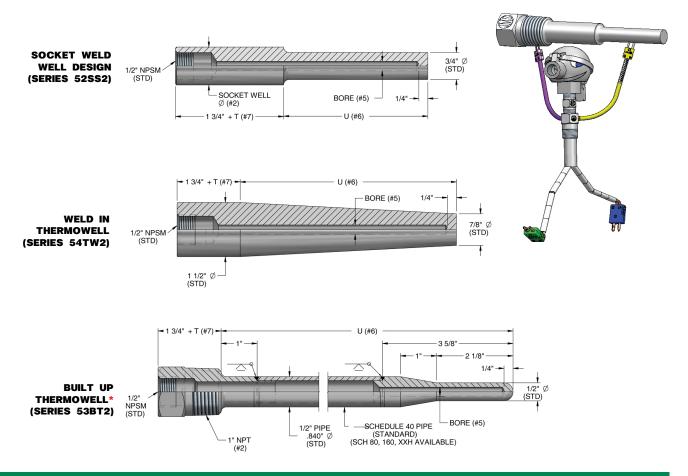
NEW FREE Wake Frequency Calculations to ASME PTC 19.3 TW, <u>SwiftyCalc!</u>
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	#1	DESCRI	PTION [Se	ee pages 5-2	20 through 5	-24 for deta	ailed informat	tion on dir	mensions,	velocity rati	ngs, and pres	sure ratings]			
	1 10 0						plug and stainless steel chain attached to we				• •	• • • • • • • • • • • • • • • • • • • •			
,		#2	SIZE	_	IREADED External th		SOCKET WEL Pipe size Actual		WELL Actual ex	ternal Ø		WELD IN Actual external Ø		BUILT-UP Pipe size	
	1 1/2" 2 3/4" 3 1" 4 1-1/2" 5 1-1/4" X Other, s			3/4 1" 1-	2" NPT 1" NPT (St NPT 1/2" NPT 1/4" NPT	andard)	N/A 3/4" pipe 1" pipe 1-1/2" pipe 1-1/4" pipe	1 1 e 1	I/A .050"Ø (Standard) .315"Ø .900"Ø .660"Ø		1.00"Ø	N/A 1.00"Ø 1.50"Ø (Standard)		1/4" Sch 40 pipe 1/2" Sch 40 pipe	
	#3 SHANK				STYLE [1	5]	Note: Standard shank geometry fits 3000# rated sockolet/threadolet fittings. Use X to specify alternate geometry if needed.							readolet	
	Note: See illustrations below and on page 5-2 for specifications. S Straigl Tapere B* Built-u X Other,				p (see page 5-2) specify *Recommended if overall length of thermowell is 40" or greater								eater		
	#4 T								W* V			Weld In design *Tapered shank standard			
	S				1							Other, specify Not available as Built-up			
	No. I o Otom			£:	#5	#5 BORE SIZE & SENSOR CONNECTION									
t I	Note: Star are 1/2" FN to match 1, per ASME	NPSM (fem /2" MNPT B40.200-2	nale straigh (male tape 2008 (B40.	nt) ered) 9)	2 .260" ID used for .250" OD sensors (Standard) 3 .385" ID used for .375" OD sensors (Straight or tapered shank style only) X Other, specify Note: Add a N suffix for FNPT. (Example: 2N = .260" ID with 1/2" FNPT sensor co									nsor connection)	
	1/4" female weld in the		quirea ior	1		#6	U (INSE			,	STANDAR	1		OR LENGTH	
							,	itiloli)	DEI III	[10]	T DIMENSI	ON NO LA	\G	WITH LAG 6"	
	THREADED STEP SHANK THERMOWELL DESIGN					B C	2-1/2" 4-1/2"	i it overall length o			3"	6"		9"	
						D E	6" greater .ll		JMS recommends		3" 3"	7-1/2	2"	10-1/2" 12"	
	1/2" NPSM - (STD)					F	1 1() 1//)"		f our "Built		3"	12"		15"	
1						G H	13-1/2" shank style (option (see illustration o				3" 3"	15" 18"		18" 21"	
3/4" + T (#7)					1		16-1/2" 22-1/2"				3"	24"		27"	
+	3/4" NPT					U—"*	Other, specify Note: Use U_ selection in place of X in legacy part number (example: legacy part # 52AT2XTK1 X=5", is equivalent to 52AT2U5TK							part numbers. 52AT2U5TK1)	
1"							#7 T	,	,	EXTENSION [15]					
+					tching s	ensor	Z T"	N/A (N	lo lag)						
	Q -		-	-All Sp and al	ring-load Compres	signs	#8	WELL MATERIAL [31-34]							
		- /	.260" (#5)		length(#6		A B	Alloy 80 F5	00H/HT		Inconel 600 Monel A400				
				•			С	F9	no 0	Q	Hastelloy C-	C-276			
				A = U	elded des <i>length(#6</i>	+	D E F	F91 Ty F22 Cla	ass 3						
∣ U (#6)	, [A (SENSOR	T lena	T length(#7)				F11 Cla	ass 2 ı steel A1(05	*For more options, like			
)				LENGTH) -All Compression designs without a nipple/union extension					304 sta	inless ste		special	jacket	s and coatings	
									310 sta	310 stainless steel 316 stainless steel (Standard) ments, consult your sales					
	2 1/2"			A = U length(#6) + 3 3/4" + T length(#7)				K L		Low Carbon 316 stainless steel representative directly.					
				, long	("')	I			#9	OPTIONS	S				
				[] Brackets indicate page numbers where						1 Stamped on well (Standard) X* Other, specify					
,	<u> </u>	1			helpful information can be cal catalog. Now available				М	MTR	•	•			
	1/2" Ø —•		† '		JMS-SE.com/Technical					Premium SwiftyCalc ASME 19.3TW calculation NACE MRO175 Certification					
			-					\dashv		Note: You must always specify information required on tag.			1		
		<u> </u>	.	.	, 🗼			<u> </u>							
	5	1	Α	Т	2	В	T	Α	1						

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(JMS Southeast, Inc. participated in the ASME 19.3 TW committee performing the first major revision since 1974 to the only US thermowell strength standard. The new ASME PTC 19.3 TW standard addresses wake frequency calculations.)



LIMITED SPACE THERMOWELLS

