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World Leaders in Equipment and Technology for Hydraulic Tube Expansion

## **HYDROPLUG EXPANSION DATA SHEET**

DATE	ATE CONTACT					PHONE	
HYDROPLUG EXPANSION END USER						JOB#	
						•	
COPE (	START DATE						
TYPE OF UNIT:  O Heat Exchanger  O Condenser  O Feedwater Heater  DESIRED HYDROPLUG MATERIAL		O Other (Descreer	O Boiler O Other (Describe):		VHERE WILL PLUG BE INSTALLED?  O TUBE  O TUBESHEET HOLE		
TUBES							
TY TUBES	MATER	IAL	ACTUAL YIELI	D		ACTUAL TENSILE	
O.D.		WALL THICKNESS/GAGE			WALL (	(CIRCLE ONE): Avg. / Min. / Nominal	
CTUAL TUB	E I.D. MEASUREMENT					TYPE: Seamless / Welded Drawn	
I-BEND OR S	STRAIGHT		OVERA	LL LENGTH (	FTUBE		
ETTING OF 1	TUBE TO TUBESHEET PRIMAR	Y FACE: Recessed / Flu	ush / Protru	ding			
RE THE TUB	BES WELDED TO THE TUBESHE	ET: Yes / No					
TUBESH	IEET		l				
OTAL THICK	(NESS	MATERIAL		ACTUAL Y	TELD	ACTUAL TENSILE	
CLAD: Yes	s / No	CLAD THICKNESS			CLAD MATER	RIAL	
HELL ATTAC	CHED: Yes / No	PARTITION PLATE:	Yes / No				
"YES" TO	EITHER OF THE ABOVE: DISTA	NCE FROM TUBESHEET FACE AN	ND OUTSIDE OF SH	IELL/DIVIDI	ER PLATE(S)/	FLANGE/OBSTRUCTIONS	
"YES" TO	EITHER OF THE ABOVE: SHOR	TEST DISTANCE BETWEEN HOLE	CENTER LINE AND	SHELL/PL	ATE		
UBESH	EET HOLES						
IAMETER		CHAMFER: Y	es / No	WHERE IS 1	THE CHAMFE	R LOCATED: Face / Back	
					PTH OF THE CHAMFER		
GROOVE	Note: as a minimum	n, placement of the 1 <sup>st</sup> groove sh	-			neet or in the center based on tubesheet thickness.	
	-	PANSION GROOVE: Yes / N	Note: hyd	raulic expar	nsion groove	is a single wide groove (centered in sheet if possib.	
		163 / N		. F			

## **LIGAMENT**

THICKNESS	PITCH	HOLE PATTERN

## **HYDROPLUG EXPANSION DATA SHEET (CON'T)**

TUBE-TO-TUBES	SHEET WELD		
ARE TUBES WELDED:	Yes / No	IF "YES": Seal Welded / Strength Welded	
WHAT IS THE MAXIMUM	COUNTER SINK O.D. FO	R WELD	
<b>EXPANDING PR</b>	ESSURE REQU	IREMENTS	
HYDROTEST PRESSURE			
SPECIFICATION	IS (IF APPLICA	BLE)	
Please provide any available Drawings Supplied: Yes		or blueprints, as well as performance requirements regarding working and test pres	sure of the vessel.
EXTERNAL EXTE			
For expansion which requake place at a distance f		terference such as a channel, shell, partition plate, or any other obstruction, creating	a situation where expansion would
DISTANCE FROM OUTSID	DE FACE OF SHELL OR PL	ATE TO FACE OF TUBESHEET	
IS THERE ACCESS FOR A	STOP COLLAR TO BE LO	CATED AT TUBESHEET FACE OR OUTSIDE OF SHELL: Yes / No	
Signature: _			Date:

## DATA SHEET SUPPLEMENT

The Data Sheet Supplement form is provided as an aid and can be useful when gathering information for filling out the data sheet. Only the completed Data Sheet must be sent in.

