

Corporate Headquarters  
6298 Camino Verde Drive  
San Jose, CA 95119  
Phone (408) 281-7344



Engineering & Manufacturing  
2631 Highway J  
Bourbon, MO 65441  
Phone (573) 732-3318  
Fax (573) 732-9408

World Leaders in Equipment and Technology for Hydraulic Tube Expansion

## Quick Quote Data Sheet

Date \_\_\_\_\_  
Customer \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ St \_\_\_\_\_ Zip \_\_\_\_\_  
Contact \_\_\_\_\_  
Phone \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail \_\_\_\_\_

Type of job New / Re-tube / Sleeve / Other \_\_\_\_\_  
Type of Unit Heat exchanger / Condenser / Feedwater heater / Boiler / Other \_\_\_\_\_  
Number of expansions \_\_\_\_\_ Approximate Start Date \_\_\_\_\_

### TUBES

Material \_\_\_\_\_ Seamless  Welded   
MTR yes  no  (Provide MTR's if possible)  
Min.Yield \_\_\_\_\_ psi Min.Tensile \_\_\_\_\_ psi  
#1 Nominal OD \_\_\_\_\_ BWG \_\_\_\_\_ avg.wall  min.wall   
#2 Nominal OD \_\_\_\_\_ BWG \_\_\_\_\_ avg.wall  min.wall   
Actual ID \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,  
Tube shape Straight  U-bend  Other \_\_\_\_\_ Length \_\_\_\_\_

### TUBE SHEET

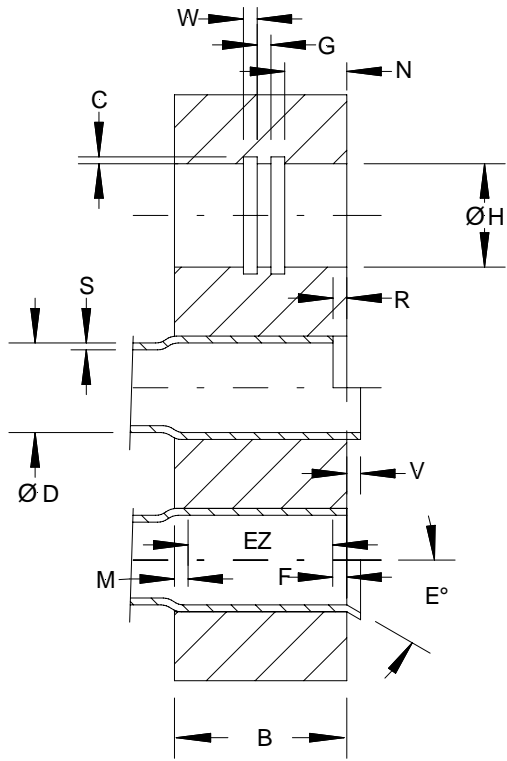
(Provide Tube sheet Detail drawing if possible)

Material \_\_\_\_\_ MTR yes  no   
Min.Yield \_\_\_\_\_ psi Min.Tensile \_\_\_\_\_ psi  
Tube sheet thickness \_\_\_\_\_ clad yes / no clad thickness \_\_\_\_\_  
Tube hole ID's \_\_\_\_\_ Pitch \_\_\_\_\_ triangular / square  
Tube protrusion: \_\_\_\_\_ Tubes welded to tubesheet: yes  no  Type seal  strength   
Expansion Zone: \_\_\_\_\_ Starting point inside primary TS face: \_\_\_\_\_

**Note:** This Data Sheet is used for quoting purposes only. The appropriate Detailed Job Data Sheet must be completed and returned to HydroPro prior to the execution of a purchase order and the manufacturing of any tooling.

## 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.

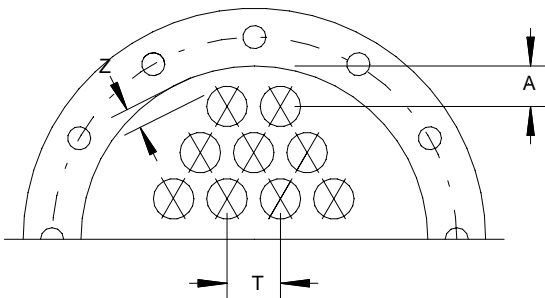


\_\_\_\_\_  
 Tube o.d. (D) \_\_\_\_\_  
 Tube wall thickness (S) \_\_\_\_\_  
 Tube material \_\_\_\_\_

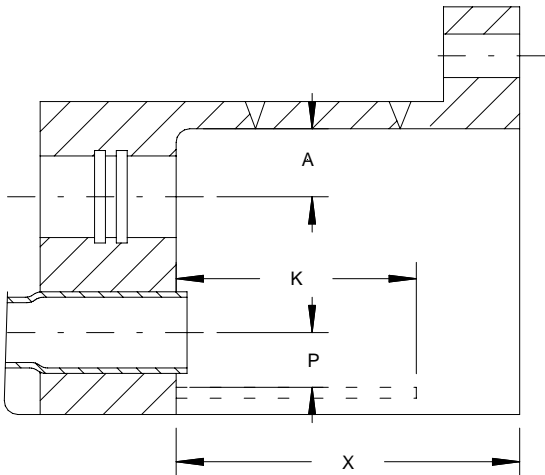
\_\_\_\_\_  
 Tube Hole Diameter (H) \_\_\_\_\_  
 Tube Sheet Thickness (B) \_\_\_\_\_  
 Tube sheet mat'l \_\_\_\_\_

\_\_\_\_\_  
 Quantity Grooves \_\_\_\_\_  
 Groove width (W) \_\_\_\_\_  
 Groove depth (C) \_\_\_\_\_  
 Gap between grooves(G) \_\_\_\_\_  
 Distance to 1<sup>st</sup> groove (N) \_\_\_\_\_

\_\_\_\_\_  
 Expansion zone (EZ) \_\_\_\_\_  
 E.Z. front setback (F) \_\_\_\_\_  
 E. Z. rear setback (M) \_\_\_\_\_  
 Tube protrusion(V) \_\_\_\_\_  
 Tube recess (R) \_\_\_\_\_  
 Bell/Flare angle ° (E) \_\_\_\_\_



\_\_\_\_\_  
 Hole center to-center (T) \_\_\_\_\_  
 Center-to-shell (A) \_\_\_\_\_  
 Hole o.d. to-shell (Z) \_\_\_\_\_



\_\_\_\_\_  
 Center-to-shell (A) \_\_\_\_\_  
 (same as above)  
 Division plate height (K) \_\_\_\_\_  
 Hole Center to div. plate (P) \_\_\_\_\_  
 Depth of channel (X) \_\_\_\_\_