## "O-RING SEAL"

## TAPERED P I P E THR

940 • Bulkhead $45^{\circ}$ Union Elbow

| Part No. | Tube O.D. | Blkhed. Hole Dia. | $\begin{gathered} \text { "A" } \\ \text { (B/khd. } \\ \text { Leg) } \end{gathered}$ | "Tube Leg |
| :---: | :---: | :---: | :---: | :---: |
| 940-4 | 1/4 | 17/32" | 21/8" | 29/32" |
| 940-5 | 5/16" | 19/32" | 25/32" | 7/8" |
| 940-6 | 3/8" | 21/32" | 29/32" | 1" |
| 940-8 | $1 / 2^{\prime \prime}$ | 29/32" | 219/32" | 17/32" |
| 940-10 | 5/8" | 11/32" | $2^{27 / 32 "}$ | 17/16" |
| 940-12 | 3/4" | 15/32" | 33/32" | 119/32" |
| 940-16 | $1^{\prime \prime}$ | 17/32" | 39/32" | 113/16" |
| 940-20 | 11/4" | 125/32" | 323/32" | 27/32" |



Max. Bulkhead Thickness 1/2"

## 960 <br> BULKHEAD TEE TUBE END ALL OPENINGS



980


Part Numbers Include Body Nuts, Sleeves, " $O$-Rings" and Back-Up Washers


Maximum Bulkhead Thickness $1 / 2^{\prime \prime}$

Note: When Ordering Lenz Fittings In Stainless Steel Add -SS To The Part Number. Example: 100-12SS

## ISPEGIFICATIONS \& IDENTIFIGATION

 on special order.
## LENZ HYDRAULIC STEEL TUBING Dead Soft • Fully Annealed • Bright Finish

Superior grade tubing selected for excellence of bending and flaring. The formula given below is determined with the flow calculated to give nominal pressure drop through tubing having the diameter and wall thickness as indicated in the table to left. This flow is based on a velocity of 15 feet per second and fluids having a maximum viscosity of 315 S.S.U.

## Formula

$$
\begin{aligned}
& \mathrm{GPM}=\frac{\pi \stackrel{\star}{\mathrm{D}}^{2} \times 15}{1.283}=36.69 \times \stackrel{\star}{\mathrm{D}}^{2} \\
& * \mathrm{D}=\text { Inside Diameter of Tubing }
\end{aligned}
$$

Furnished in 12 Ft . Lengths-Longer Lengths On Request.
**Safety Factor of 5 means that the tubing will burst at 5 times the working pressure indicated.

| Size No. | O.D. | I.D. | Wall <br> Thickness | G.P.M. <br> Flow | Working <br> Pressure |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{4 . 0 3 5}$ | $1 / 4^{\prime \prime}$ | .180 | .035 | 1.2 | 2800 |
| $\mathbf{4 . 0 4 9}$ | $1 / 4^{\prime \prime}$ | .152 | .049 | .85 | 3920 |
| $\mathbf{5 . 0 3 5}$ | $5 / 16^{\prime \prime}$ | .242 | .035 | 2.15 | 2240 |
| $\mathbf{5 . 0 4 9}$ | $5 / 16^{\prime \prime}$ | .214 | .049 | 1.68 | 3136 |
| $\mathbf{6 . 0 3 5}$ | $3 / 8^{\prime \prime}$ | .305 | .035 | 3.45 | 1867 |
| $\mathbf{6 . 0 4 9}$ | $3 / 8^{\prime \prime}$ | .277 | .049 | 2.82 | 2613 |
| $\mathbf{6 . 0 6 5}$ | $3 / 8^{\prime \prime}$ | .245 | .065 | 2.2 | 3467 |
| $\mathbf{8 . 0 3 5}$ | $1 / 2^{\prime \prime}$ | .430 | .035 | 6.79 | 1400 |
| $\mathbf{8 . 0 4 9}$ | $1 / 2^{\prime \prime}$ | .402 | .049 | 5.92 | 1960 |
| $\mathbf{8 . 0 6 5}$ | $1 / 2^{\prime \prime}$ | .370 | .065 | 5.03 | 2600 |
| $\mathbf{1 0 . 0 4 9}$ | $5 / 8^{\prime \prime}$ | .527 | .049 | 10.2 | 1568 |
| $\mathbf{1 0 . 0 6 5}$ | $5 / 8^{\prime \prime}$ | .495 | .065 | 9.0 | 2080 |
| $\mathbf{1 0 . 0 9 5}$ | $5 / 8^{\prime \prime}$ | .435 | .095 | 6.94 | 3040 |
| $\mathbf{1 2 . 0 4 9}$ | $3 / 4^{\prime \prime}$ | .652 | .049 | 15.6 | 1307 |
| $\mathbf{1 2 . 0 6 5}$ | $3 / 4^{\prime \prime}$ | .620 | .065 | 14.1 | 1733 |
| $\mathbf{1 2 . 0 9 5}$ | $3 / 4^{\prime \prime}$ | .560 | .095 | 11.5 | 2533 |
| $\mathbf{1 2 . 1 0 9}$ | $3 / 4^{\prime \prime}$ | .532 | .109 | 10.4 | 2907 |
| $\mathbf{1 4 . 0 4 9}$ | $7 / 8^{\prime \prime}$ | .777 | .049 | 22.1 | 1120 |
| $\mathbf{1 4 . 0 6 5}$ | $7 / 8^{\prime \prime}$ | .745 | .065 | 20.4 | 1486 |
| $\mathbf{1 4 . 0 9 5}$ | $7 / 8^{\prime \prime}$ | .685 | .095 | 17.2 | 2171 |
| $\mathbf{1 6 . 0 6 5}$ | $1^{\prime \prime}$ | .870 | .065 | 27.8 | 1300 |
| $\mathbf{1 6 . 0 9 5}$ | $1^{\prime \prime}$ | .810 | .095 | 24.1 | 1900 |
| $\mathbf{1 6 . 1 2 0}$ | $1^{\prime \prime}$ | .760 | .120 | 21.2 | 2400 |
| $\mathbf{2 0 . 0 6 5}$ | $1^{1 / 4^{\prime \prime}}$ | 1.120 | .065 | 46.0 | 1040 |
| $\mathbf{2 0 . 0 9 5}$ | $1^{1 / 4^{\prime \prime}}$ | 1.060 | .095 | 41.2 | 1520 |
| $\mathbf{2 0 . 1 2 0}$ | $1^{1 / 4^{\prime \prime}}$ | 1.010 | .120 | 37.4 | 1920 |
| $\mathbf{2 4 . 0 9 5}$ | $1^{1 / 2^{\prime \prime}}$ | 1.310 | .095 | 63.0 | 1267 |
| $\mathbf{2 4 . 1 2 0}$ | $1^{1 / 2^{\prime \prime}}$ | 1.260 | .120 | 58.1 | 1600 |

PCC-LENZ S.A.E. Port Contour Cutter

| Part No. | Tube 0.D. | Thread Size |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PCC-2 | 1/8" | 5/16"-24 | 323/32" | $2^{11 / 64 "}$ | . 500 |
| PCC-4 | 1/4" | 7/16"-20 | 325/32" | 25/32" | . 500 |
| PCC-5 | 5/16" | 1/2"-20 | 327/32" | 27/32" | . 500 |
| PCC-6 | 3/8" | 9/16"-18 | 329/32" | 25/64" | . 500 |
| PCC-8 | 1/2" | 3/4"-16 | 331/32" | 21/16" | . 500 |
| PCC-10 | 5/8" | 7/8"-14 | 331/32" | 153/64" | . 750 |
| PCC-12 | 3/4" | 11/16"-12 | 41/8" | 155/64" | . 750 |
| PCC-14 | 7/8" | 13/16"-12 | 41/8" | 127/32" | . 750 |
| PCC-16 | 1 " | 15/16"-12 | 41/8" | 127/32" | . 750 |
| PCC-20 | 11/4" | 15/8"-12 | 41/8" | 153/64" | 1.000 |
| PCC-24 | 11/2" | 17/8"-12 | 41/8" | 113/16" | 1.000 |
| PCC-32 | 2" | 21/2"-12 | 41/4" | 129/32" | 1.000 |

PCT • LENZ Precision S.A.E. Port Thread Taps

| Part Number | Tube O.D. | Thread Size |
| :---: | :---: | :---: |
| PCT-2 | 1/8" | 5/16"-24 |
| PCT-4 | 1/4" | 7/16"-20 |
| PCT-5 | 5/16" | 1/2"-20 |
| PCT-6 | 3/8" | 9/16"-18 |
| PCT-8 | 1/2" | 3/4"-16 |
| PCT-10 | 5/8" | 7/8"-14 |
| PCT-12 | 3/4" | 11/16"-12 |
| PCT-14 | 7/8" | 13/16"-12 |
| PCT-16 | $1{ }^{1 \prime}$ | 15/16"-12 |
| PCT-20 | 11/4" | 15/8"-12 |
| PCT-24 | 11/2" | 17/8"-12 |
| PCT-32 | 2" | 21/2"-12 |

These tools have three flutes which form the standard internal O-Ring Boss for straight thread tube fittings. Standard in high-speed steel Carbide tipped available on special order. Four flute cutters available

Lenz Hydraulic Steel Tubing

