From Your Tube Bending Experts...

HARCO METAL PRODUCTS, INC

256.845.3885 AL
480.829.0450 AZ

TUBULAR HYDRAULIC LINES

www.webendtube.com • www.tubebending.net

Harco Delivers... If your looking for a fabricator that can deliver hydraulic hard lines from 1/4" to 2" OD, Harco Metal Products is your company. We stock a full line of J.I.C. nuts, sleeves, and braze-on fittings. We can duplicate (reverse engineer) hard lines from both prints and samples for any commercial application.

Bent on Making It Happen...

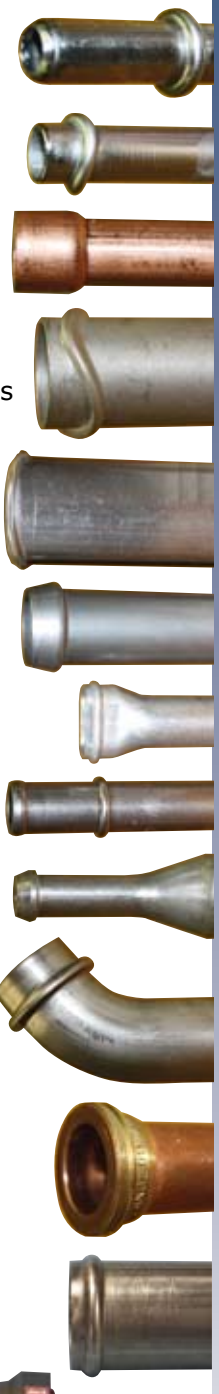
We are your one stop shop for your Tubular Hydraulic Lines

- 37° & 45° Single and Double Flaring
- ORFS (O-Ring Face Seal) Cold Forming
- Induction Brazing of ORFS and J.I.C. Fittings
- CNC Bending 1/8" OD to 3" OD
- Romer CimCore Laser Tube Inspection to Ensure Correct Tube Geometry

Many of our fluid line customers prefer to take advantage of our **Vendor Managed Inventory Program** (VMI). This program is tailor designed to offer stocked parts and deliveries are made Just in Time to meet your production needs.

Our tube end-forming services include flaring, beading and o-ring face seal process to MS, AS, & SAE specs, plus a full line of standard fittings for many applications.

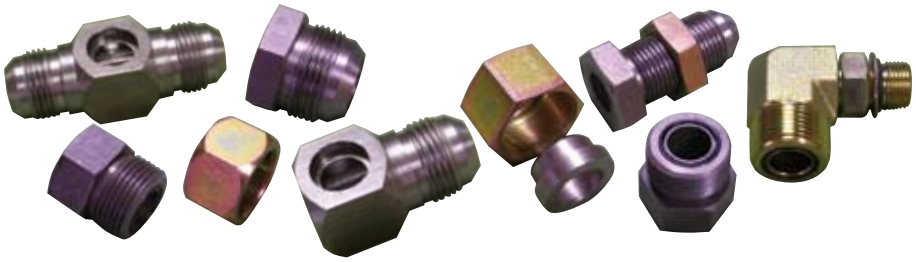
At Harco Metal Products, Inc., we are always looking for ways to better meet your needs. We expand our capabilities frequently to offer our customers the best and most innovative products and services.

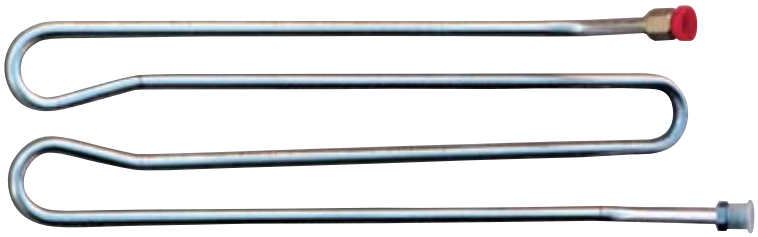


HIGH QUALITY • ACCURACY • ON-TIME DELIVERY • CUSTOMER SERVICE

Full Line of J.I.C. Fittings, Connectors & Adaptors Available

Some of the stock fittings include:
J.I.C. Nuts from 1/8" - 2-1/2"
J.I.C. 90° Elbow from 1/8" - 1-1/2" Brazed on Fitting
J.I.C. Sleeves from 1/8" - 2"
J.I.C. Tube Run Tee from 1/4" - 7/8" Male Brazed on Fittings
J.I.C. Branch Tee from 1/4" - 7/8" Male Brazed on Fittings
ORS & ORFS





Harco, At Your Service...

- **OEM Hydraulic Fuel & Break Lines • Tube Bending**
- **Tube Forming • Welding & Brazing • Specialty Finishes**
- **Metal Stamping • CNC Machining • Product Design• Assembly**
- **Fittings, Fasteners, & End-Caps • Vender Managed Inventory**
- **Quality Assurance Program & Best Of All, Customer Service...**

Our "At Your Service Attitude" puts you in the drivers seat. We offer specialty & custom tube end forming for all applications with no order too big or small. We offer complete design assistance as well as stocking programs. Contact us today...

QUALITY ASSURANCE QUALITY ASSURANCE QUALITY ASSURANCE

Quality Assurance

At Harco our core strategy is to build quality into products through continual improvement of processes and services. As part of this commitment, Harco has embarked on a program to implement **ISO 9001** as a basis for our Quality Management System.

For our more complicated tubular components we use the state-of-the-art **Aicon Tube Inspect HD** which is a touch-less 3D dimensional measuring system that works as a fully programmable optical gauge. This system allows operators to design complicated tubular components with confidence, accuracy and can determine bend calculations.

For our less complicated tubular components we use a **Romer CMM** device. With this programmable equipment we measure length, bend angles, rotation and develop corrected bend data rotation that is easily and quickly transferred to our bending equipment so that our tube bending set up time is reduced and tube yield is maximized.

Recently we have added **PC-DMIS** software to our arsenal of quality tools. PC-DMIS is the industry leading software designed to collect, evaluate, manage and present manufacturing data for machined components and assemblies created by Harco Metal Products, Inc..

AICON 3d.systems ROMER pc-dmis

Your Tube Bending Experts...

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