



# ROSE METAL INDUSTRIES, LLC.

A TRADITION OF EXCELLENCE

## Case Study: Style 901 Tongs

**We produce the best hand forged tongs you can get!**

Our Typical Style 901, commonly referred to as Cat Bit or Cup tongs, is chosen here as a case study because they are one of the more difficult shapes to forge by hand. This type of tool is used in rolling mill applications, always a harsh environment fraught with safety concerns.

While competitive products are occasionally welded, ours are skillfully forged from one piece of high quality alloy bar to insure maximum strength from proper grain flow. Each tool is forged according to a print furnished for approval prior to manufacturing.



Our tools are available of any forgeable material, commonly of alloys such as 4140, hi carbon steel such as 1045 or a variety of customer choices including Titanium and Aluminum. Heat treatment is available when maximum stiffness / weight is important.

Each tool is permanently marked to facilitate reorder as well as providing complete traceability. Permanent copies of all drawings are also maintained to allow for consistent production of items ordered periodically.

**Product Description** – Cup or Cat-Bit Tongs

**Market** – Rolling Mills, Steel Mills

**Materials** – ASM 4140

**Size** – 8" x 8" x 48"

**Processes** – Flat Die Forging, Blacksmith Forging, Heat Treating

**Tolerances** – +/- .060"

**Quantities** – Lot sizes of 1 pc to 50 pcs

**Inspection** – Conventional dimensional measurement, calipers, visual and/or Magnaflux for forging defects and cracks

**Please have us quote on your next requirements!**

ROBOTIC WELDING, FABRICATING & FORGING SPECIALISTS



REGISTERED TO ISO 9001: 2000

