Manufacturing excellence through quality design
US Industrial Tool first opened its doors in 1954 with the aim of being a leading competitor in the aerospace tool acquisition and repair services’ industry. Because of high demand and tremendous success, USI began designing and manufacturing its own tools in house. Today, USI is an industry leader, servicing thousands of customers worldwide with impeccable products and services all the while continuing to manufacture its tools in the USA.

From start to finish, your relationship with our company and products will be one that is backed by a long tradition of excellence. And as always, your satisfaction is our top priority.
U.S. INDUSTRIAL
AIRCRAFT RIVET GUNS
• CE certified
• Takes .401 shank rivet sets
• Lightweight aluminum handle
• Price includes spring retainer & regulator (TP97)
• Precision machined hardened and ground valve
• “Sure Grip” powder coated finish
• Teasing trigger
• Precision machined and hardened cylinder for long life
• Made in U.S.A.
• Do not use without rivet sets

One of our most popular rivet guns, this “X” type feathering trigger riveter allows you to slowly begin riveting without damage to the skin. This gun is used by aircraft mechanics worldwide. It’s also the perfect tool for kit builders.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Blows Per Min.</th>
<th>Capacity</th>
<th>Bore</th>
<th>Stroke</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP82</td>
<td>2580</td>
<td>1/8&quot;</td>
<td>9/16&quot;</td>
<td>1-1/2&quot;</td>
<td>5-11/16&quot;</td>
<td>2.4 lbs.</td>
</tr>
<tr>
<td>TP83</td>
<td>2160</td>
<td>3/16&quot;</td>
<td>1/2&quot;</td>
<td>2-7/8&quot;</td>
<td>6-11/16&quot;</td>
<td>2.5 lbs.</td>
</tr>
<tr>
<td>TP84</td>
<td>1740</td>
<td>1/4&quot;</td>
<td>1/2&quot;</td>
<td>3-1/16&quot;</td>
<td>8-1/2&quot;</td>
<td>2.75 lbs.</td>
</tr>
</tbody>
</table>

U.S. INDUSTRIAL
PROFESSIONAL GRADE RIVET GUNS
• Available in offset or straight handle (specify)
• Comes with retainer spring and regulator (TP2012)
• .401 shank diameter
• Light feathered touch
• Precision machined hardened and ground valve
• “Sure Grip” powder coated finish
• Teasing trigger
• Precision machined and hardened cylinder for long life
• Made in U.S.A.
• CE certified
• Do not use without rivet sets

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Blows Per Min.</th>
<th>Capacity</th>
<th>Bore</th>
<th>Stroke</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>US1X</td>
<td>3600</td>
<td>1/8&quot;</td>
<td>9/16&quot;</td>
<td>1-1/2&quot;</td>
<td>5-11/16&quot;</td>
<td>2.0 lbs.</td>
</tr>
<tr>
<td>US2X</td>
<td>2580</td>
<td>1/8&quot;</td>
<td>9/16&quot;</td>
<td>1-1/2&quot;</td>
<td>6-11/6&quot;</td>
<td>2.3 lbs.</td>
</tr>
<tr>
<td>US3X</td>
<td>2160</td>
<td>3/16&quot;</td>
<td>1/2&quot;</td>
<td>2-7/8&quot;</td>
<td>7-5/16&quot;</td>
<td>2.3 lbs.</td>
</tr>
<tr>
<td>US4X</td>
<td>1740</td>
<td>1/4&quot;</td>
<td>1/2&quot;</td>
<td>3-1/16&quot;</td>
<td>8-1/2&quot;</td>
<td>2.8 lbs.</td>
</tr>
</tbody>
</table>

U.S. INDUSTRIAL HEAVY DUTY
PROFESSIONAL GRADE RIVET GUNS
• Available in offset handle only
• Comes with retainer spring and regulator (TP2012)
• .401 or .498 shank diameter (specify)
• Precision machined hardened and ground valve
• “Sure Grip” powder coated finish
• Teasing trigger
• Precision machined and hardened cylinder for long life
• Made in U.S.A.
• CE certified
• Do not use without rivet sets

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Blows Per Min.</th>
<th>Capacity</th>
<th>Bore</th>
<th>Stroke</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>US5X</td>
<td>1560</td>
<td>1/4”</td>
<td>3/4”</td>
<td>2-11/16”</td>
<td>9-1/4”</td>
<td>5.0 lbs.</td>
</tr>
<tr>
<td>US7X</td>
<td>900</td>
<td>3/8”</td>
<td>3/4”</td>
<td>5-13/16”</td>
<td>11-1/2”</td>
<td>6.1 lbs.</td>
</tr>
<tr>
<td>US9X</td>
<td>1140</td>
<td>5/16”</td>
<td>3/4”</td>
<td>3-7/8”</td>
<td>10”</td>
<td>5.3 lbs.</td>
</tr>
</tbody>
</table>

NOTE: Long term exposure to low frequency vibration caused by riveting may be harmful to your hands and arms. We suggest you take frequent breaks when riveting to reduce this exposure.
U.S. INDUSTRIAL PROFESSIONAL GRADE
LIMITED ACCESS RIVET GUNS

- Available in offset handle only
- .401 special short shank sets required
- Comes with retainer spring and regulator (TP97)
- Precision machined hardened and ground valve
- “Sure Grip” powder coated finish
- Teasing trigger
- Precision machined and hardened cylinder for long life
- Made in U.S.A.
- CE certified
- Do not use without rivet sets

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Blows Per Min.</th>
<th>Capacity</th>
<th>Bore</th>
<th>Stroke</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>US100B</td>
<td>2850</td>
<td>5/32&quot;</td>
<td>9/16&quot;</td>
<td>1-7/8&quot;</td>
<td>3-5/8&quot;</td>
<td>2.1 lbs.</td>
</tr>
<tr>
<td>US200B</td>
<td>2700</td>
<td>3/16&quot;</td>
<td>9/16&quot;</td>
<td>2-1/4&quot;</td>
<td>5-3/8&quot;</td>
<td>3.1 lbs.</td>
</tr>
</tbody>
</table>

U.S. INDUSTRIAL “RECOILLESS” RIVET GUNS

- Unique Viscoelastic dampening system reduces damaging low-frequency vibration
- Ergonomic design - comfortable, balanced tool
- Compact design
- Reduced noise output
- Few moving parts create a durable, reliable tool
- TP1 swivel regulator supplied as standard equipment
- Precision machined hardened and ground valve
- “Sure Grip” powder coated finish
- Teasing trigger
- Precision machined and hardened cylinder for long life
- Used by most major aircraft manufacturers
- CE certified
- Do not use without rivet sets

Our recoilless rivet guns have been ergonomically designed for maximum comfort while reducing the job-related effects of prolonged exposure to the vibrations associated with riveting. Independent testing* has shown that our tools will greatly lessen job-related effects of prolonged exposure to vibration and boost user productivity.

*Study performed by the University of Michigan School of Engineering Acoustics and Vibration Laboratory. Reprints of report available upon request.

NOTE: Long term exposure to low frequency vibration caused by riveting may be harmful to your hands and arms. We suggest you take frequent breaks when riveting to reduce this exposure.
U.S. INDUSTRIAL
† “RECOILLESS” BUCKING BARS

Our Recoilless bucking bars greatly reduce the vibration associated with driving rivets. Designed with the same intent as our recoilless rivet gun, these bucking bars can also be used with all conventional rivet guns.

- For up to 3/16 diameter fasteners and 4 lb. dollies
- Quick-change design enables you to change the dollies in just seconds
- Several weights to accommodate a wide range of fastener installations
- Viscoelastic Dampening System for maximum operator protection
- “Sure-Grip” powder coat finish for positive handling
- Comes complete with TP1500H dolly and 31021 shank
- Ergonomic hand grip ball (31042, shown below) is available at additional cost on TP111 Series tools
- Patented design
- Manufactured in the U.S.A. by U.S. Industrial Tool

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESIGN</th>
<th>LENGTH</th>
<th>DIA.</th>
<th>DAMPENED</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP111R</td>
<td>All Steel</td>
<td>3.78&quot;</td>
<td>1-7/8&quot;</td>
<td>Viscoelastic†</td>
<td>2.00 lbs.</td>
</tr>
<tr>
<td>TP111RA</td>
<td>Steel/Alum</td>
<td>3.78&quot;</td>
<td>1-7/8&quot;</td>
<td>Viscoelastic†</td>
<td>1.00 lbs.</td>
</tr>
<tr>
<td>TP111RRA</td>
<td>Aluminum</td>
<td>3.78&quot;</td>
<td>1-7/8&quot;</td>
<td>Viscoelastic†</td>
<td>0.91 lbs.</td>
</tr>
</tbody>
</table>

U.S. INDUSTRIAL
† LARGE CAPACITY “RECOILLESS” BUCKING BARS

The TP1111R/TP1111RA fills the need for additional dampening for large diameter and harder grade fasteners. A wide selection of Dollyie heads are available.

- For 3/16” or larger diameter fasteners and 4 lb. dollies or heavier
- Quick change design enables you to change the dollies in just seconds
- Several weights to accommodate a wide range of fastener installations
- Viscoelastic Dampening System for maximum operator protection
- “Sure-Grip” powder coat finish for positive handling
- Comes with TP0000H2 dolly and 31021 shank
- All dollies include unique safety retainers to retain dollyie to bucking bar body
- Manufactured in the U.S.A. by U.S. Industrial Tool

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESIGN</th>
<th>LENGTH</th>
<th>DIA.</th>
<th>DAMPENED</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP1111R</td>
<td>All Steel</td>
<td>5.75&quot;</td>
<td>1-7/8&quot;</td>
<td>Viscoelastic†</td>
<td>3.20 lbs.</td>
</tr>
<tr>
<td>TP1111RA</td>
<td>Steel/Alum</td>
<td>5.75&quot;</td>
<td>1-7/8&quot;</td>
<td>Viscoelastic†</td>
<td>3.13 lbs.</td>
</tr>
<tr>
<td>TP1111RB</td>
<td>All Steel</td>
<td>5.75&quot;</td>
<td>1-7/8&quot;</td>
<td>Viscoelastic†</td>
<td>3.20 lbs.</td>
</tr>
</tbody>
</table>

IMPORTANT!!
Bucking rivets without using a recoilless bucking bar exposes the user to much higher vibration than using recoilless with standard bucking bars.

ERGONOMIC HAND GRIP BALL
PART NO: 31042
- Standard on TP1111RB, optional on all other types

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>31021</td>
<td>2-1/2” standard</td>
</tr>
<tr>
<td>31021-1</td>
<td>3-1/4”</td>
</tr>
<tr>
<td>31021-2</td>
<td>4-3/4”</td>
</tr>
<tr>
<td>31021-3</td>
<td>6-1/2”</td>
</tr>
</tbody>
</table>

† Patent 5,588,323
U.S. INDUSTRIAL BUCKING BARS
We manufacture our own bucking bars. They are cast with Ductile Iron to insure a non porous finish which is very important in order to have that highly polished finish. They are heat treated to 38-42 RC and can be repolished many times without changing hardness. Work surfaces are highly polished.

TP638 1.25 lbs.
TP646 2.25 lbs.
TP647 1.5 lbs.
TP669 1.38 lbs.
TP670 1.75 lbs.
TP692 3 lbs.
TP736 2.38 lbs.
TP760B-1 1.13 lbs.
TP1090 1.38 lbs.

* INDICATES POLISHED SIDE

4-PIECE U.S. INDUSTRIAL BUCKING BAR KIT
PART NO: TP150-4
Contains: TP638, TP647, TP670, TP736

6-PIECE U.S. INDUSTRIAL BUCKING BAR KIT
PART NO: TP150-6
Contains: TP638, TP647, TP670, TP736, TP646, TP1090
U.S. INDUSTRIAL TUNGSTEN BUCKING BARS

Bucking bars made of tungsten provide increased weight (density) to allow riveting in confined areas. The weight to size ratio provides good kinetic energy transfer and will expedite the installation process. We offer a couple standard shapes and a consistent weight that should allow up to 3/16 diameter fastener installation.

TP111IT 7.03 lbs.
TP51T 3.50 lbs.
TP52T 3.80 lbs.

TP54T 2.20 lbs.
TP55T 1.76 lbs.
TP56T 2.97 lbs.
TP601T 12.25 lbs.

TP605T 3.39 lbs.
TP634T 2.02 lbs.
TP639T 3.77 lbs.
TP646T 6.05 lbs.

TP647T 3.15 lbs.
TP662T 4.38 lbs.
TP670T 5.23 lbs.
TP721T 3.30 lbs.

TP723T 3.08 lbs.
TP736T 4.63 lbs.
TP760B-1T 2.86 lbs.
TP760B-10T 3.55 lbs.
U.S. INDUSTRIAL
RIVET FAN SPACING TOOL
PART NO: TP621
This tool will save hours in layout time for rivet spacing. The rivet fan spacing tool easily expands or contracts while maintaining equal hole spacing. Made of all stainless steel for durability, this tool is a must for all sheet metal fabricators.

U.S. INDUSTRIAL
C YOKE RIVET SET
.401 SHANK
(1 5/16" reach, 2 3/8" gap)
PART NO: SMCK-1A
(Flush face, no set hole)
PART NO: SMCK-1
(With .187 set hole for squeezer set)
• .401 shank for rivet gun
• Shanks available

U.S. INDUSTRIAL
C YOKE RIVET SET
.401 SHANK
(1 1/2" reach, 2 1/2" gap)
PART NO: SMOF-A-401A
(Flush face, no set hole)
PART NO: SMOF-A-401
(With .187 set hole for squeezer set)
• .401 shank for rivet gun
• Shanks available

U.S. INDUSTRIAL
C YOKE RIVET SET
.401 SHANK
(1 1/2" reach, 3" gap)
PART NO: SMOF-C-401A
(Flush face, no set hole)
PART NO: SMOF-C-401
(With .187 set hole for squeezer set)
• .401 shank for rivet gun
• Shanks available

U.S. INDUSTRIAL
C YOKE RIVET SET
.401 SHANK
(1 1/2" reach, 3" gap)
PART NO: SMOF-D-401A
(Flush face, no set hole)
PART NO: SMOF-D-401
(With .187 set hole for squeezer set)
• .401 shank for rivet gun
• Shanks available
RIVET SETS

UNIVERSAL STRAIGHT 5 PIECE SET MIX
PART NO: TP89  (U.S. Made)
PART NO: TP89-I  (Imported)
- 3-1/2” sets
- .401 shank
- Contains one each, with pouch
  SM10 - 4703 - 3/32”
  SM10 - 4704 - 1/8”
  SM10 - 4705 - 5/32”; SM10 - 4706 - 3/16”
  SM90 - Flush Set 1” dia.

UNIVERSAL STRAIGHT 6 PIECE SET MIX
PART NO: TP89-6
- 3-1/2” sets
- .401 shank
- Contains one each, with pouch
  SM10 - 4703 - 3/32”
  SM10 - 4704 - 1/8”
  SM10 - 4705 - 5/32”
  SM10 - 4706 - 3/16”
  SM10 - 4708 - 1/4”
  SM90 - Flush Set 1” dia.

UNIVERSAL STRAIGHT LONG 5 PIECE SET MIX
PART NO: TP89L
- 5-1/2” long sets
- .401 shank
- Contains one each, with pouch
  SM11 - 4703 - 3/32”
  SM11 - 4704 - 1/8”
  SM11 - 4705 - 5/32”
  SM11 - 4706 - 3/16”
  SM92 - Flush Set 1” dia.

UNIVERSAL OFFSET 5 PIECE SET MIX
PART NO: TP90  (U.S. Made)
PART NO: TP90-I  (Imported)
- 3-1/2” sets
- .401 shank
- Contains one each, with pouch
  SM20 - 4703 - 3/32”
  SM20 - 4704 - 1/8”
  SM20 - 4705 - 5/32”
  SM20 - 4706 - 3/16”
  SM20 - 4708 - 1/4”

UNIVERSAL OFFSET 4 PIECE SET MIX
PART NO: TP90L
- 5-1/2” long sets
- .401 shank
- Contains one each, with pouch
  SM21 - 4703 - 3/32”
  SM21 - 4704 - 1/8”
  SM21 - 4705 - 5/32”
  SM21 - 4706 - 3/16”

UNIVERSAL OFFSET LONG 4 PIECE SET MIX
PART NO: SMGNK-4
- 7-1/2” sets
- .401 shank
- Contains one each, with pouch
  SMGN - 4703 - 3/32”
  SMGN - 4704 - 1/8”
  SMGN - 4705 - 5/32”
  SMGN - 4706 - 3/16”

UNIVERSAL GOOSENECK 4 PIECE SET MIX

RIVET STYLE CHART

<table>
<thead>
<tr>
<th>CUPPING STYLE</th>
<th>RIVET SET</th>
<th>SM50/70 ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/16”</td>
<td>3/32”</td>
</tr>
<tr>
<td>Round AN430</td>
<td>4302</td>
<td>4303</td>
</tr>
<tr>
<td>Flat AN442</td>
<td>4422</td>
<td>4423</td>
</tr>
<tr>
<td>Brazier AN455</td>
<td>4552</td>
<td>4553</td>
</tr>
<tr>
<td>Brazier AN656</td>
<td>4652</td>
<td>4653</td>
</tr>
<tr>
<td>Universal AN470</td>
<td>4702</td>
<td>4703</td>
</tr>
<tr>
<td>Button AN435</td>
<td>4352</td>
<td>4353</td>
</tr>
</tbody>
</table>

All rivet sets are made from tool grade steel and are heat treated to ensure the highest quality. Some items may require 6 piece minimum order. To order individual rivet sets, from the chart at the right, call the factory for the part number and current price.
U.S. INDUSTRIAL BENCH TOP HAND RIVETING AND DIMPLING FIXTURE
PART NO: TP6150
16 lbs.
Make the job of dimpling or riveting faster and easier by using our Bench Top Fixture. Allows you to reach deeper into the sheet than is allowable with other hand tools. Ideal for the kit builder.
- Heavy duty solid steel yoke design
- Includes .187 die holder and die extension to accept any standard dimple and die set or squeezer type rivet sets
- 19” throat reach x 4” gap

U.S. INDUSTRIAL DIPLE & DIE SET
PART NO: TP635 (3/32” AN426 rivet)
PART NO: TP636 (1/8” AN426 rivet)
- For use with Pop style hand or powered riveters
- Makes perfect dimples for AN426 100 rivets
- Includes extra mandrels for repeated use
- Ideal for hard to reach areas

U.S. INDUSTRIAL BUCKING BLOCKS
PART NO: TP93
Bucking blocks are actually holding fixtures for dimple and dies normally used in rivet squeezers. They enable the fabricator to perform dimpling operations in areas not accessible to rivet squeezers. They are operated with a rivet gun - much like setting a rivet. They can also be used with all .187 shank rivet sets.

U.S. INDUSTRIAL RIVET REMOVAL TOOL
PART NO: TP276
PART NO: TP276B
For Trailer or Boat Manufacturing & Repair – AN455/456 brazier style
.28 lb.
Our rivet removal tool is designed to keep the drill bit centered on the AN470 or brazier rivet head. The cupped drill guide also keeps the bit from slipping off and ruining the sheet metal around it. This tool is completely adjustable for drilling depth. It comes complete with four guides and drill bits for #3, #4, #5, and #6 rivets. Made in the U.S.A.

REPLACEMENT BITS
PART NO: TP54L-10
PART NO: TP54L-21
PART NO: TP54L-30
PART NO: TP54L-40

U.S. INDUSTRIAL BRAKE LINING RIVET TOOL
PART NO: TP950
1.03 lbs.
- Heavy duty cast frame with “T” handle screw
- Supplied with rivet removal punch, anvil and rivet set for 1/8” rivets
- 3” L x 1” W x 3-1/2” H
- Includes plastic pouch
This is a highly improved method of removing and replacing your brake pads. The feed screw assures complete control and helps eliminate the possibility of damaging the pads. Made in the U.S.A.
**U.S. INDUSTRIAL**

**HEAVY DUTY HAND RIVET SQUEEZERS**

**PART NO: TP888-1** (With 1” “C” yoke, 3.4 lbs. - No Upper Set Hole)

**PART NO: TP888-2** (With 2” “C” yoke, 3.85 lbs.)

**PART NO: TP888-3** (With 3” “C” yoke, 4.4 lbs.)

**PART NO: TP888-4** (With 2” & 3” “C” yokes, 5.4 lbs.)

**PART NO: TP888-5** (With 1”, 2”, & 3” “C” yoke, 6.5 lbs.)

**PART NO: TP888-6** (With 5” “C” yoke, 8 lbs.)

**PART NO: TP888-7** (With 1”, 2”, 3” & 5” “C” yoke, 8.5 lbs.)

This versatile tool is available individually as a 1”, 2”, 3” or 5” model or as combination units. By simply removing 3 hardened pins you can change the yoke to match your riveting or dimpling application. Longer, redesigned handle for increased force and ease of operation. Accepts all sets with .187 shank and comes with four AN470 and two flush rivet sets.

- **Capable of forces in excess of 3,600 lbs.**
- .187 shank rivet set holes
- Comes with 4 Universal AN470 rivet sets and 2 flush sets (TP116A)
- Adjustable set holder
- 3/32” to 3/16” rivet capacity
- Has removable “C” yoke
- 15.2” length
- Made from ductile steel
- Storage pouch included
- Made in the U.S.A.

**HAND RIVET SQUEEZER**

**PART NO: TP116**

2.5 lbs.

A basic tool for all riveting operations. It has a unique adjustable rivet set holder which can be adjusted for various rivet lengths. All parts are heat treated.

- Heavy duty
- .187 shank rivet set holes
- Comes with 4 Universal AN470 rivet sets and 2 flush sets (TP116A)
- 3/32” to 3/16” rivet capacity
- 1-1/2” reach x 1-1/2” gap
- 14” length
- Storage pouch included
U.S. INDUSTRIAL ULTRALITE COMPRESSION RIVETERS

Standard Features
- Safety throttle lever
- Epoxy coated aluminum housing
- 90° elbow swivel air inlet
- Smooth controlled throttle movement
- 702 rivet capacity up to 1/8" aluminum and 3/32" steel
- 702T rivet capacity up to 5/32" aluminum and 1/8" steel
- Low cost replacement parts
- Operate on 90 PSI air
- 3/16" set holder

New Ultra Lite Design

These silent alligator-type compression riveters are excellent for many assembly operations - used in aircraft, automotive, truck, bus components, boats, metal furniture, toys, electronic chassis and appliance assembly.

- One-man operation increases productivity
- Rolling cam and wedge assembly greatly multiplies compression force of piston
- “Squeeze” action permits easy control, exceptional accuracy and uniformity

U.S. INDUSTRIAL IMPROVED OUTPUT SQUEEZE RIVETERS

These silent alligator-type compression riveters are excellent for many assembly operations - used in aircraft, automotive, truck, bus components, boats, metal furniture, toys, electronic chassis and appliance assembly.

- High joint integrity independent of operator skill level
- Speed of squeeze riveter can be controlled by throttle
- Swivel air inlet aids maneuverability
- Tandem cylinder doubles compression force available from tool
- Develops full squeezing force with only 90 p.s.i. air pressure
- One piece bearing for long life
- Yellow “Sure Grip” finish for positive handling
- Cast alloy steel lever positioned for user comfort
- Made in the U.S.A.
- CE certified

NOTE
Optional jaws available on page 17

†Rivet capacities are for reference only, based on mild tensile fastener grades. Actual compression trials on sample rivets will provide absolute force requirements. Provide us with your rivet samples for testing at no additional charge.
**U.S. INDUSTRIAL SQUEEZE RIVETERS**

These silent alligator-type compression riveters are excellent for many assembly operations - used in aircraft, automotive, truck, bus components, boats, metal furniture, toys, electronic chassis and appliance assembly.

- One-man operation increases productivity
- Rolling cam and wedge assembly greatly multiplies compression force of piston
- "Squeeze" action permits easy control, exceptional accuracy and uniformity

**STANDARD OUTPUT**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>RIVET CAPACITY</th>
<th>FORCE REACH GAP</th>
<th>MAX TRAVEL</th>
<th>OVERALL LENGTH</th>
<th>WEIGHT LBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>US114A</td>
<td>ALUM 1/8&quot; 3/32&quot;</td>
<td>3,000 1-1/2&quot; 7/8&quot;</td>
<td>5/8&quot;</td>
<td>9-3/16&quot;</td>
<td>3.8</td>
</tr>
<tr>
<td>US114-2</td>
<td>STEEL</td>
<td>2,200 2-1/4&quot; 7/8&quot;</td>
<td>7/8&quot;</td>
<td>10-1/8&quot;</td>
<td>4.3</td>
</tr>
<tr>
<td>US114A-3</td>
<td>1/8&quot; 1/16&quot;</td>
<td>1,800 3&quot; 7/8&quot;</td>
<td>1-1/4&quot;</td>
<td>10-3/4&quot;</td>
<td>4.5</td>
</tr>
<tr>
<td>US114A-5</td>
<td>3/32&quot; N/A</td>
<td>1,250 5-1/2&quot; 7/8&quot;</td>
<td>15/16&quot;</td>
<td>13-1/4&quot;</td>
<td>6.4</td>
</tr>
<tr>
<td>US114A-7</td>
<td>5/32&quot; 1/8&quot;</td>
<td>3,400 3&quot; 7/8&quot;</td>
<td>1-1/4&quot;</td>
<td>13-3/4&quot;</td>
<td>6.0</td>
</tr>
<tr>
<td>US114TA-3</td>
<td>1/8&quot; 3/32&quot;</td>
<td>2,000 5-1/2&quot; 7/8&quot;</td>
<td>15/16&quot;</td>
<td>16&quot;</td>
<td>7.9</td>
</tr>
</tbody>
</table>

**U.S. INDUSTRIAL SQUEEZE RIVETERS ARE STILL AVAILABLE**

**ONLY U.S. INDUSTRIAL TOOL HAS A NEW ERGONOMIC MULTI-LEVER**

That allows less finger pressure and less travel to activate.

*Patent Pending. Tool provided with 35599 Guard standard.

**NOTES**

- Optional jaws available on page 17
- Part No. 95508AS

**U.S. INDUSTRIAL TOOL**

Company

**U.S. Industrial squeeze riveters**

**US114A Single Cylinder**

**US114TA Tandem Cylinder**

**US151A Single Cylinder**

**US151TA Tandem Cylinder**

**US151B Single Cylinder**

**US151TB Tandem Cylinder**

- High joint integrity independent of operator skill level
- Speed of squeeze riveter can be controlled by throttle
- Swivel air inlet aids maneuverability
- Tandem cylinder doubles compression force available from tool
- Develops full squeezing force with only 90 p.s.i. air pressure
- One piece bearing for long life
- Cast alloy steel lever positioned for user comfort
- Made in the U.S.A.
- CE certified

**Rivet Capacities**

For Lever Assembly, reference Part No. 95508AS

* Rivet capacities are for reference only, based on mild tensile fastener grades. Actual compression trials on sample rivets will provide absolute force requirements. Provide us with your rivet samples for testing at no additional charge.
These versatile C-Type Squeezers are excellent for many assembly operations - used in aircraft, automotive, truck, bus components, boats, metal furniture, toys, electronic chassis and appliance assembly.

- One-man operation increases productivity
- Rolling cam and wedge assembly greatly multiplies compression force of piston
- “Squeeze” action permits easy control, exceptional accuracy and uniformity
- High joint integrity independent of operator skill level
- Speed of squeeze riveter can be controlled by throttle
- Swivel air inlet aids maneuverability
- Tandem cylinder doubles compression force available from tool
- Develops full squeezing force with only 90 p.s.i. air pressure
- One piece bearing for long life
- Yellow “Sure Grip” finish for positive handling
- Cast alloy steel lever positioned for user comfort
- Made in the U.S.A.
- CE certified

• Tandem cylinder doubles compression force of tool.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>RIVET CAP.</th>
<th>FORCE LBS.</th>
<th>REACH</th>
<th>GAP</th>
<th>MAX TRAVEL</th>
<th>OVERALL LENGTH</th>
<th>WEIGHT LBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>US114CC</td>
<td>5/32”</td>
<td>4,200</td>
<td>1-1/2”</td>
<td>1-1/4”</td>
<td>9/16”</td>
<td>10-1/4”</td>
<td>3 lbs.</td>
</tr>
<tr>
<td>US114TC</td>
<td>1/8”</td>
<td>7,700</td>
<td>1-1/2”</td>
<td>1-1/4”</td>
<td>9/16”</td>
<td>14”</td>
<td>5.5 lbs.</td>
</tr>
</tbody>
</table>

- OUR STANDARD OUTPUT SQUEEZE RIVETERS ARE STILL AVAILABLE
- Adjustable set holder doubles compression force of tool.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>RIVET CAPACITY</th>
<th>REACH</th>
<th>GAP</th>
<th>CLOSED HEIGHT</th>
<th>FORCE LBS.</th>
<th>MAX TRAVEL</th>
<th>WEIGHT</th>
<th>OVERALL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>US114C</td>
<td>1/8”</td>
<td>3/32”</td>
<td>1-1/2”</td>
<td>11/16”</td>
<td>3,000</td>
<td>9/16”</td>
<td>3 lbs.</td>
<td>10-1/4”</td>
</tr>
<tr>
<td>US114TC</td>
<td>3/16”</td>
<td>5/32”</td>
<td>1-1/2”</td>
<td>11/16”</td>
<td>6,000</td>
<td>9/16”</td>
<td>5.5 lbs.</td>
<td>14”</td>
</tr>
</tbody>
</table>

- Rivet capacities are for reference only, based on mild tensile fastener grades. Actual compression trials on sample rivets will provide absolute force requirements. Provide us with your rivet samples for testing at no additional charge.

Upate to more power!
Send in old style US114C or US114TC, and we’ll factory install upgrade. Call for details.
U.S. INDUSTRIAL SQUEEZE RIVETERS

These versatile C-Type Squeezers drive a wide variety of rivets and can be used for staking, stamping and pressing. Extensively used in assembly of aircraft, trucks, buses, boats, appliances, automotive components, metal furniture, toys and electronic chassis.

- Rolling cam and wedge assembly greatly multiplies compression force of piston
- “Squeeze” action permits easy control, exceptional accuracy and uniformity.

- High joint integrity independent of operator skill level
- Silent operation
- Plunger speed can be controlled by throttle
- Swivel air inlet aids maneuverability
- Optional yokes available
- Develops full squeezing force with only 90 p.s.i. air pressure
- Made in the U.S.A.
- CE certified

### US151C
Single Cylinder

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>ALUM</th>
<th>STEEL</th>
<th>REACH</th>
<th>GAP</th>
<th>CLOSED HEIGHT</th>
<th>FORCE LBS</th>
<th>MAX TRAVEL</th>
<th>WEIGHT</th>
<th>OVERALL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>US151C</td>
<td>3/16”</td>
<td>5/32”</td>
<td>2-1/8”</td>
<td>3/16”</td>
<td>25/32”</td>
<td>6,000</td>
<td>9/16”</td>
<td>9.5 lbs</td>
<td>17-1/2”</td>
</tr>
<tr>
<td>US151TC</td>
<td>1/4”</td>
<td>7/32”</td>
<td>2-1/8”</td>
<td>1-3/16”</td>
<td>25/32”</td>
<td>12,000</td>
<td>9/16”</td>
<td>12.5 lbs</td>
<td>21-3/4”</td>
</tr>
</tbody>
</table>

### US155
Single Cylinder

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>ALUM</th>
<th>STEEL</th>
<th>REACH</th>
<th>GAP</th>
<th>CLOSED HEIGHT</th>
<th>FORCE LBS</th>
<th>MAX TRAVEL</th>
<th>WEIGHT</th>
<th>OVERALL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>US155</td>
<td>1/4”</td>
<td>7/32”</td>
<td>2-1/8”</td>
<td>1-7/8”</td>
<td>25/32”</td>
<td>12,000</td>
<td>7/8”</td>
<td>21 lbs</td>
<td>20”</td>
</tr>
</tbody>
</table>

- Short stroke adjustment limits return travel of rivet set holder; can be disengaged quickly to provide maximum opening
- Use .250 squeezer sets

**NOTE**
Optional yokes available on page 17
INSTRUCTIONS FOR SELECTING SQUEEZER SETS

To develop maximum power, the riveter must drive the rivet near the end of the riveter’s stroke. For maximum power the combined length of the two rivet sets must be of the correct length. Determine the correct length as follows:

WHEN TWO CUPPED RIVET SETS ARE USED - The sum of the two rivet sets “L” dimension should equal the combined height dimension of the yoke minus the total thickness of the material being riveted.

WHEN TWO FLUSH SETS ARE USED - The sum of the two rivet sets “L” dimension should equal the combined height dimension of the yoke minus the overall length of the rivet after it is driven.

Order Rivet sets the E-Z WAY!

TO DETERMINE PART NUMBER:

1. Select desired rivet set length and note its Model No.
2. Refer to Rivet Style Chart and find desired cupping style.
3. Match cupping style with desired rivet diameter and add that number after the rivet set Model No.

EXAMPLE:

To order a SM200 with a Flat AN442 cupping for an 1/8” diameter rivet. SPECIFY: SM200-442

RIVET STYLE CHART

<table>
<thead>
<tr>
<th>RIVET STYLE CHART</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUPPING STYLE</td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Round AN430</td>
</tr>
<tr>
<td>Flat AN442</td>
</tr>
<tr>
<td>Brazier AN455</td>
</tr>
<tr>
<td>Mod. Brazier AN456</td>
</tr>
<tr>
<td>Universal AN470</td>
</tr>
<tr>
<td>Button AN435</td>
</tr>
<tr>
<td>Tubular - AN450</td>
</tr>
</tbody>
</table>

(Available in SM10 series only - Add $6.00)

RIVET SETS - FLUSH STYLE

(No cuppings needed.)

<table>
<thead>
<tr>
<th>.187 SHANK</th>
<th>.250 SHANK</th>
<th>.312 SHANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART NO.</td>
<td>“L”</td>
<td>“L”</td>
</tr>
<tr>
<td>SM210</td>
<td>1/8”</td>
<td>SM230</td>
</tr>
<tr>
<td>SM211</td>
<td>1/4”</td>
<td>SM231</td>
</tr>
<tr>
<td>SM212</td>
<td>3/8”</td>
<td>SM232</td>
</tr>
<tr>
<td>SM213</td>
<td>1/2”</td>
<td>SM233</td>
</tr>
<tr>
<td>SM214</td>
<td>5/8”</td>
<td>SM234</td>
</tr>
<tr>
<td>SM215</td>
<td>3/4”</td>
<td>SM235</td>
</tr>
<tr>
<td>SM216</td>
<td>7/8”</td>
<td>SM236</td>
</tr>
<tr>
<td>SM217</td>
<td>1”</td>
<td>SM237</td>
</tr>
</tbody>
</table>

• 1/2” Body diameter
• Can be furnished with 3/8” B.D.
• 5/8” Body diameter
• Can be furnished with 1/2” B.D.

<table>
<thead>
<tr>
<th>.375 SHANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART NO.</td>
</tr>
<tr>
<td>SM270</td>
</tr>
<tr>
<td>SM271</td>
</tr>
<tr>
<td>SM272</td>
</tr>
<tr>
<td>SM273</td>
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<tr>
<td>SM274</td>
</tr>
<tr>
<td>SM275</td>
</tr>
<tr>
<td>SM276</td>
</tr>
<tr>
<td>SM277</td>
</tr>
</tbody>
</table>

• 5/8” Body diameter

RIVET SETS - CUPPED STYLE

<table>
<thead>
<tr>
<th>.187 SHANK</th>
<th>.250 SHANK</th>
<th>.312 SHANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART NO.</td>
<td>“L”</td>
<td>“L”</td>
</tr>
<tr>
<td>SM200</td>
<td>1/8”</td>
<td>SM250</td>
</tr>
<tr>
<td>SM201</td>
<td>3/8”</td>
<td>SM251</td>
</tr>
<tr>
<td>SM202</td>
<td>1/2”</td>
<td>SM252</td>
</tr>
<tr>
<td>SM203</td>
<td>5/8”</td>
<td>SM253</td>
</tr>
<tr>
<td>SM204</td>
<td>3/4”</td>
<td>SM254</td>
</tr>
</tbody>
</table>

• 5/16” , 3/8” Not Available

Some items may require 6 piece minimum order.
RIVET SETS FOR RIVET SQUEEZERS
LIMITED ACCESS TYPE - MINI BODY
- Cupped
- 3/8" body diameter
- .187 shank diameter

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>“L”</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM290</td>
<td>5/32”</td>
</tr>
<tr>
<td>SM291</td>
<td>1/4”</td>
</tr>
<tr>
<td>SM292</td>
<td>3/8”</td>
</tr>
</tbody>
</table>

RIVET SETS FOR RIVET SQUEEZERS
LIMITED ACCESS TYPE - MINI BODY
- Flush
- 3/8" body diameter
- No cuppings needed

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>“L”</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM295</td>
<td>1/8”</td>
</tr>
<tr>
<td>SM296</td>
<td>1/4”</td>
</tr>
<tr>
<td>SM297</td>
<td>3/8”</td>
</tr>
</tbody>
</table>

RIVET STYLE CHART

<table>
<thead>
<tr>
<th>CUPPING STYLE</th>
<th>RIVET DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/32”</td>
<td>1/8”</td>
</tr>
<tr>
<td>5/32”</td>
<td>3/16”</td>
</tr>
<tr>
<td>7/32”</td>
<td>1/4”</td>
</tr>
</tbody>
</table>

EXAMPLE: To order a SM290 with a AN470 cupping for an 1/8” diameter rivet. SPECIFY: SM290-4704

FOR A COMPLETE LISTING OF ALL OF OUR SQUEEZER SETS & ACCESSORIES, INCLUDING DIMPLE DIES, PLEASE REQUEST REFERENCE BULLETIN USR5100.

ALLIGATOR JAW FRONT HEAD ASSEMBLIES
FOR US114AA/TAA
Includes all bearings and pins for proper installation into housing

OFFSET TYPE - RIGHT HAND

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
</tr>
</thead>
<tbody>
<tr>
<td>2242</td>
<td>3-3/4”</td>
<td>3-1/8”</td>
<td>7/8”</td>
<td>2-1/8”</td>
</tr>
<tr>
<td>1961</td>
<td>3-3/16”</td>
<td>2-19/32”</td>
<td>7/8”</td>
<td>2-1/8”</td>
</tr>
</tbody>
</table>

STRAIGHT TYPE

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
</tr>
</thead>
<tbody>
<tr>
<td>5107</td>
<td>2 1/8”</td>
<td>1 1/2”</td>
<td>7/8”</td>
<td>1 5/8”</td>
</tr>
<tr>
<td>5113</td>
<td>2 1/4”</td>
<td>1 9/16”</td>
<td>11/16”</td>
<td>1 7/64”</td>
</tr>
<tr>
<td>5112</td>
<td>3”</td>
<td>2 1/2”</td>
<td>39/64”</td>
<td>1 23/64”</td>
</tr>
<tr>
<td>5108</td>
<td>3”</td>
<td>2 1/4”</td>
<td>7/8”</td>
<td>2 1/8”</td>
</tr>
<tr>
<td>5110</td>
<td>3”</td>
<td>2 3/8”</td>
<td>7/8”</td>
<td>2 1/8”</td>
</tr>
<tr>
<td>5109</td>
<td>3 3/4”</td>
<td>3”</td>
<td>7/8”</td>
<td>2 1/8”</td>
</tr>
<tr>
<td>5114</td>
<td>6 1/8”</td>
<td>5 1/2”</td>
<td>7/8”</td>
<td>2 1/8”</td>
</tr>
<tr>
<td>5115</td>
<td>6 1/8”</td>
<td>5 1/2”</td>
<td>7/8”</td>
<td>3 1/2”</td>
</tr>
</tbody>
</table>

ALLIGATOR JAW FRONT HEAD ASSEMBLIES
FOR US151TA/A
Includes all bearings and pins, guards and adapter for proper installation onto cylinder (May require wedge change at extra charge). Standard set hole size .187, option .250 set hole (specify).

STRAIGHT TYPE

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
<th>OPT. WEDGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>95216</td>
<td>2 7/8”</td>
<td>4”</td>
<td>29/32”</td>
<td>1 41/64”</td>
<td>35161</td>
</tr>
<tr>
<td>95217</td>
<td>5”</td>
<td>6 3/16”</td>
<td>7/8”</td>
<td>1 15/16”</td>
<td>35161</td>
</tr>
<tr>
<td>95222</td>
<td>7”</td>
<td>8 1/8”</td>
<td>13/16”</td>
<td>1 7/8”</td>
<td>35161</td>
</tr>
<tr>
<td>95218</td>
<td>9”</td>
<td>10 1/4”</td>
<td>13/16”</td>
<td>1 7/8”</td>
<td>35162</td>
</tr>
<tr>
<td>95226</td>
<td>3 55/64”</td>
<td>5 1/32”</td>
<td>1 1/32”</td>
<td>2 19/32”</td>
<td>35161-7</td>
</tr>
<tr>
<td>95315</td>
<td>3 1/4”</td>
<td>4 3/8”</td>
<td>1 23/32”</td>
<td>21/8”</td>
<td>35161-7</td>
</tr>
<tr>
<td>95336</td>
<td>4 7/8”</td>
<td>6”</td>
<td>1”</td>
<td>4 3/4”</td>
<td>35161-7</td>
</tr>
<tr>
<td>95224</td>
<td>5”</td>
<td>6 1/8”</td>
<td>1 3/8”</td>
<td>3 41/64”</td>
<td>35161</td>
</tr>
<tr>
<td>35229</td>
<td>10 17/64”</td>
<td>11 37/64”</td>
<td>31/64”</td>
<td>1 1/16”</td>
<td>35161</td>
</tr>
<tr>
<td>95219RBS</td>
<td>9 1/8”</td>
<td>10 1/4”</td>
<td>3”</td>
<td>1 7/8”</td>
<td>35162</td>
</tr>
</tbody>
</table>
**About our Yokes & Jaws**
- All designs supported by F.E.A. analysis for maximum allowable stresses and model displacement
- Alloyed steel
- Precision ground
- Austempered for extreme toughness and ductility

### U.S. INDUSTRIAL “C” YOKES TO FIT TP888 HAND RIVET SQUEEZER

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>REACH</th>
<th>GAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>9070-1*</td>
<td>1&quot;</td>
<td>1-1/4&quot;</td>
</tr>
<tr>
<td>9070-2</td>
<td>2&quot;</td>
<td>1-1/4&quot;</td>
</tr>
<tr>
<td>9070-3</td>
<td>3&quot;</td>
<td>1-1/4&quot;</td>
</tr>
<tr>
<td>9070-5</td>
<td>5&quot;</td>
<td>1 7/8&quot;</td>
</tr>
</tbody>
</table>

*Less Set Hole

### U.S. INDUSTRIAL “C” YOKES TO FIT US114 & CP214 CENEL HEAVY DUTY MODEL

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>REACH</th>
<th>GAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>YK1-2</td>
<td>2-1/2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>YK1-3-2</td>
<td>3&quot;</td>
<td>3-1/2&quot;</td>
</tr>
<tr>
<td>YK1-3-3 1/2</td>
<td>3-1/2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>YK1-3 1/2-2</td>
<td>1-1/2&quot;</td>
<td>1-1/4&quot;</td>
</tr>
<tr>
<td>538</td>
<td>1-1/2&quot;</td>
<td>1-1/4&quot;</td>
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<td>958</td>
<td>2&quot;</td>
<td>1-1/4&quot;</td>
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<tr>
<td>959</td>
<td>2-1/2&quot;</td>
<td>1-3/8&quot;</td>
</tr>
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<td>960 HD</td>
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### U.S. INDUSTRIAL “C” YOKES TO FIT US151 & CP0351 CUNEL COMPRESSION RIVETERS WITH STANDARD #1A YOKE FRAME

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### U.S. INDUSTRIAL “C” YOKES TO FIT US155 & CP355 CENEL COMPRESSION RIVETER

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<td>35234</td>
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**U.S. INDUSTRIAL SQUEEZE RIVETER PEDESTAL STAND**

**PART NO: SRPS-151** (Manual Operation)

**PART NO: SRPS-151AB** (Air) (Not shown)
(Stand with air actuated valves & remote foot pedal. Provides a safety guarded design variable speed remote foot pedal and 8 feet of hose, all necessary hardware and installation instructions. Allow with SRPS-151 style floor stand. For US and APT models only)

85 lbs.
- Heavy duty steel construction
- US151 and APT740 series squeezers
- Quick release clamp allows portable tool to be used for stationary production riveting
- Foot pedal throttle assembly frees up operator’s hands
- Tool not included
- 41” working height
- 45” height
- Shipped freight collect

---

**U.S. INDUSTRIAL BENCH RIVETER**

**PART NO: US114TCC-98G**
- Includes bench mounting brackets
- Includes air activated foot control with safety guard
- Features adjustable lower set holder
- Tandem cylinder
- Made in the USA by U.S. Industrial Tool

---

**U.S. INDUSTRIAL UNIVERSAL BAIL (HANGER) FOR 151 TOOLS**

**PART NO: US151-3600**
14.7 lbs.

**PART NO: US151-3615** (Not Shown)
(Multi-swivel 360° two-directions 24” OAL) 21.5 lbs.
- Rotates 360°
- 7” diameter
- While the tool is suspended by the balancer, the operator is allowed to effortlessly position the tool for most applications
- Ball bearing design
- Tools not included

---

**U.S. INDUSTRIAL ADJUSTABLE SET HOLDER FOR 151C TOOLS**

**PART NO: 151ADJ-K**
(Factory installed)
- Replace standard design set holder with a manually adjustable set holder, eliminates the need to shim or replace rivet set to accommodate various length rivets
- Available for 1A or 2A yoke frames (specify)
- If ordered on new tool, specify: 151ADJ option at additional cost
- Tool not included
- STD .250 set hole

---

**RIVET CAPACITY**

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<tr>
<th>PART NO.</th>
<th>STEEL</th>
<th>ALUM</th>
<th>REACH</th>
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<th>FORCE</th>
<th>MAX</th>
<th>TRAVEL</th>
<th>WEIGHT</th>
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<tr>
<td>US114TCC-98G</td>
<td>3/16”</td>
<td>1/4”</td>
<td>10”</td>
<td>3-1/2”</td>
<td>7,700</td>
<td>9/16”</td>
<td>70 lbs</td>
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**U.S. INDUSTRIAL FOOT THROTTLE ASSEMBLY**

**PART NO: FCT-151**

**PART NO: FCT-151AK (Air)**

(Air actuated valves & remote foot pedal. Provides a safety guarded design variable speed remote foot pedal and 8 feet of hose, all necessary hardware and installation instructions. For US and APT models only. Not shown)

.5 lb.
- Replaces lever actuated throttle
- For use on all US151 & CP351 series squeezers
- Aids in mounting of portable squeezers for bench or special applications
- All required hardware included
- Foot pedal can be moved for convenient use
- 6’ cable included
- Tool not included

**U.S. INDUSTRIAL AIR-ACTUATED FOOT CONTROL THROTTLE ASSEMBLY**

**PART NO: FCT-114**

1 lb:
- Replaces lever actuated throttle
- For use on all US114 series and CP214 series squeezers
- Air line connects directly to foot control throttle
- Includes easy-to-install backhead
- Tool not included
- 6’ hose

**U.S. INDUSTRIAL MULTI-ANGLE BENCH MOUNT STAND**

**PART NO: US114BMSP**

23 lbs.

A versatile bench stand for use with all US114 and US114T type rivet squeezers. Stand can be used as left- or right-hand orientation. A full 360˚ adjustment of tool angle allows operator to customize for comfort and ease of insertion of part into tool. Made of heavy gauge gray steel.

Included:
- Multi-angle bench mount and hardware
- FCT-114 air-actuated foot control throttle assembly
U.S. INDUSTRIAL PEDESTAL COMPRESSION RIVETERS US150
PART NO: US150-8 (8” reach, 4” gap, 48” height, .312 set shank, 190 lbs.)
PART NO: US150-12 (12” reach, 4” gap, 52” height, .312 set shank, 230 lbs.)
PART NO: US150-24 (24” reach, 5” gap, 57” height, .312 set shank, 475 lbs.)
PART NO: US150-36 (36” reach, 8-1/2” gap, 78” height, .375 set shank, 1,800 lbs.)
• All have 1-3/8” stroke

A new stationary pneumatic compression riveter providing high volume riveting and dimpling. This one-man pedestal riveter is capable of exceptional accuracy and has the capacity to cold squeeze 3/8” solid stainless steel rivets with 16,000 lbs. of force. Our machine is designed to allow the user to vary the machine speed with foot touch control. The user can bring sets down to work surface at any speed adjustment with no loss of power. Standard equipment includes air actuated foot control, and filter-regulator-lubricator combo. Made in the USA by U.S. Industrial Tool.

OPTION: US14032 - As the operator depresses the foot pedal providing a momentary signal (press and release), the set holder will move forward and upon full stroke complete the rivet upsetting and automatically retract to start position, awaiting an operator follow-up signal. Shipped freight collect.

Also available with a two stage Hi-low pressure system.

NOTE
See squeezer sets required on page 15

U.S. INDUSTRIAL BRAKE RIVETERS
PART NO: US150BR-8 (8” Throat depth or reach, 4” gap, 48” max. height, 235 lbs.)
PART NO: US150BR-12 (12” Throat depth or reach, 4” gap, 52” max. height, 275 lbs.)
• Includes adjustable workbed
• All the same features as found on our US150 series machines
• Machines shipped freight collect
For optimal machine safety, specify with two stage, pinch point protection, at additional cost.

ADJUSTABLE WORKBED
PART NO: US150BRS
(Adjustable horseshoe work bed only, can be easily installed on any US150 or CP450 machine)
• Adjustable work bed has 5” maximum vertical travel
• Work bed has 10” I.D. with 17” O.D.
• Will accept up to 12” tall torque tubes

GOODYEAR/LORAL AEROSPACE CORPORATION BRAKE RIVETING TOOLS
We have a complete selection of tooling for the installation of Goodyear/LoralTM aircraft brakes. Most of the listed tools are designed with .312 shank diameter to fit the U.S. Industrial 150 Riveter or the Chicago Pneumatic 450 Riveter. We also have a selection of tools designed for use in Taumel and Bracker machines. These tools are manufactured in strict accordance with Goodyear/ LoralTM standards.

114-139-1 5T1-25453 5T1-26037 5T2-10068
114-151-1 5T1-25455 5T1-26123 5T2-10073
5T1-25092 5T1-25460 5T1-26150 5T2-10080
5T1-25286 5T1-25465-1 5T1-26206 5T2-10157
5T1-25287 5T1-25465-2 5T1-26245 5T2-10431
5T1-25309 5T1-25470 5T1-70948 5T2-5994
5T1-25310 5T1-25775 5T1-71785 5T1-1/4 Derivetings
5T1-25311 5T1-25807 5T2-10066 Punch
5T1-25355 5T1-25855 5T2-10067 5T1 Derivetings Anvil
**RIVET TIPS & TECHNICAL INFORMATION**

**RIVET DESIGNATIONS**

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<thead>
<tr>
<th>AN</th>
<th>AD</th>
<th>-</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>470</td>
<td>4</td>
<td>-</td>
<td>4</td>
</tr>
</tbody>
</table>

**General**
- Length in 1/16ths
- Diameter in 1/32nds
- Alloy Designation
- Head Style
- Catalog method: either AN or MS20

**Actual**
- 4/16
- 4/32
- 2117T4
- Universal Head
- Air Force/Navy

**COUNTERSINK/DIMPLING**

- Preferred Method
- Acceptable Method

**RIVET SETTING DIMENSIONS**

**COMMON RIVET PROBLEMS & REASONS**

- Clinched Bucktal
- Spread Head
- Bucktal Too Flat
- Scarred MFG. Head
- A. Smile on MFG. Head
- B. Planted Bucktal

- Poor Bucking Bar Control
- Material Too Hard While Forming
- Over Driven Gun Adj. Too High
- Removed Gun-Skt From Work Too Soon
- A. Tipped Gun Skt
- B. Improper Bucking Bar Use

**RIVET SETTING DIMENSIONS**

- Rivet Length
- Drill Length
- Gap Length

**RIVET SETTING DIMENSIONS**

<table>
<thead>
<tr>
<th>Rivet Size</th>
<th>Rivet Diameter Decimal</th>
<th>Drill Number</th>
<th>Drill Decimal</th>
<th>Hole Over Size</th>
<th>Cleco Color</th>
<th>Bucking Bar Weight</th>
<th>Min. Edge Distance</th>
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<tbody>
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<td>3/32</td>
<td>1/8</td>
<td>23</td>
<td>.0990</td>
<td>.0043</td>
<td>Silver</td>
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<td>.125</td>
<td>30</td>
<td>.0890</td>
<td>.0085</td>
<td>Copper</td>
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<tr>
<td>3/16</td>
<td>.1875</td>
<td>21</td>
<td>.1950</td>
<td>.0028</td>
<td>Black</td>
<td>4-5 lbs.</td>
<td>3/8</td>
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<tr>
<td>5/32</td>
<td>.1625</td>
<td>21</td>
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<td>3-4.5 lbs.</td>
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<tr>
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<td>.1875</td>
<td>11</td>
<td>.1910</td>
<td>.0035</td>
<td>Gold</td>
<td>4-5 lbs.</td>
<td>3/8</td>
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</table>
**WE ARE THE LEADER IN HOT DIMPLERS**

For over 25 years, U.S. Industrial Tool & Supply Co. has been manufacturing high quality Stationary Hot and Cold Dimpling machines to our many dedicated customers worldwide. During this time, we have also met the demand to supply, and stock, a huge variety of accessory tooling to satisfy most aviation requirements. Our machines are loaded with more safety and user-friendly features, as standard equipment, than ANY of our competitors. And NONE of these competitors offer any of the following highly innovative, state-of-the-art items and features.

---

**TWO STAGE HI/LOW PRESSURE**

An innovative control that provides pinch point protection to the operator through out the entire machine stroke. System conform to OSHA CFR 29 standards and CE standards.

**How it works:**

A 1st stage low pressure air cylinder assembly advances the machine set holder upon foot signal for the operator. The forces are monitored by our built in machine controller. Forces are the same throughout the machine stroke (travel) because of our unique variable* pitch lever assembly. At any point in the stroke (travel) it contacts an object it stalls at a measurable 5lbs of force or less. If the operator is properly aligned and wants to proceed with high pressure (high force) a second pedal activation is required to complete the cycle. Failure to initiate signal for high Pressure the machine will in 5 seconds, return to machine start. Visual indicator lights located on the front of the machine provide a continued conformation to the operator as to where they are in the machine cycle, (Low Pressure or High Pressure). Additionally, the forces in low pressure are so light that the operator can adjust/align their assembly without surface damage providing increased operator confidence and reduction in scrap and rework. Training time for new operators is reduced significantly.

*Patent Pending

---

**U.S. INDUSTRIAL HOT DIMPLER CONVERSION KIT**

**PART NO: *US450SSCK**

Update any older Chicago Pneumatic or Zephyr hot dimpler to latest value and P.L.C. Control Circuit Design. Features included can be found on our full page US150EAHOT-36 Display.

Shipped freight collect.

Basic kit includes:

- Complete electrical control panel with foot pedal
- Complete power head assembly set-up for two-stage circuit
- High pressure piloted valve.
- Hoses and hardware as required
- Installation instructions
- CE certified
- **NEW!!** Two-stage Hi-Low pinch point cold operation now included in hot panel operation circuit.

**Special Note:** *The kit in itself covers the dimpling machine’s main operating systems. You may require other parts not supplied in the kit, due to the condition of the existing machine.*
U.S. INDUSTRIAL HOT DIMITER - RIVETER
US150EA-36 HOT
- CE certified
Shipped freight collect.

NOW INCLUDES OUR TWO-STAGE PINCH POINT PROTECTION CIRCUIT IN COLD OPERATION, AS FOUND ON OUR US150EA-36 COLD MACHINE. OLDER MODELS CAN BE UPDATED IN KIT FORM.

SPECIFICATIONS FOR US150EA HOT

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<td>US150EA-36 HOT</td>
<td>0˚- 800˚</td>
<td>0-30 Seconds</td>
<td>Max force (lbs.) at 90 PSI air pressure Max set holder travel Part of stroke at max force</td>
<td>24,000 lbs. 1 3/4” Final 3/16” 110V-60 Hz</td>
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3,400 lbs.
U.S. INDUSTRIAL RIVET SET ADAPTERS

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U.S. INDUSTRIAL FLUSH SETS

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U.S. INDUSTRIAL PRESSURE PAD DOLLIES

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<tbody>
<tr>
<td>US78692</td>
<td>Assembly Complete 1/2&quot; Pressure Pad Dolly</td>
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<tr>
<td>US78691</td>
<td>Assembly Complete 3/8&quot; Pressure Pad Dolly</td>
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U.S. INDUSTRIAL ADAPTER - QUICK CHANGE PRESSURE PAD DOLLIES LIMITED ACCESS

3/8" dia.

<table>
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<th>LENGTH</th>
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<tbody>
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<tr>
<td>US102501</td>
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Includes two piece mating anvil.

U.S. INDUSTRIAL UPPER ANVIL PRESSURE DOLLIES OFFSET

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U.S. INDUSTRIAL OFFSET RIVET SETS

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U.S. INDUSTRIAL OFFSET RIVET SETS

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U.S. INDUSTRIAL OFFSET RIVET SETS

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</thead>
<tbody>
<tr>
<td>SM0FC1</td>
<td>3/16&quot;</td>
</tr>
<tr>
<td>SM0FC2</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>SM0FC3</td>
<td>5/16&quot;</td>
</tr>
<tr>
<td>SM0FC4</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

U.S. INDUSTRIAL OFFSET RIVET SETS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM0FD1</td>
<td>3/16&quot;</td>
</tr>
<tr>
<td>SM0FD2</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>SM0FD3</td>
<td>5/16&quot;</td>
</tr>
<tr>
<td>SM0FD4</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>
WHAT IS RAM COIN DIMPILING?

POSITION 1 - The punch and die assembly is shown in a normal open position. The punch pilot is just entering the hole in the sheet.

POSITION 2 - The punch pilot is through the sheet and the sheet has contacted the coining ram face and die face. When performing hot dimpling, these heated surfaces coming into an “area contact” with the sheet allows a rapid and even distribution of heat to the material immediately surrounding the hole.

POSITION 3 - As punch cone descends, the ram is forced down against rapidly increasing back pressure. Thus, shear strains set up near circumference of dimple are balanced, thereby preventing circumferential crackouts. As compression loads between ram and punch cone increase, metal at bottom of cone is moved inwardly toward the punch pilot, eliminating radial cracks and minimizing hole stretch. As illustrated, the pressure loaded coining ram is fully depressed and the dimpling cycle is completed.

U.S. INDUSTRIAL COINING POST ADAPTERS
- Allows you to remove coining post die tooling and adapt coin in post for Cold Riveting without having to replace coining post with conventional adjusting screw assembly.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DIMENSION SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM153-375-2</td>
<td></td>
<td>0.375</td>
<td>3/4</td>
<td>1-3/8</td>
<td>1-3/4</td>
</tr>
<tr>
<td>SM153-375-1</td>
<td></td>
<td>0.312</td>
<td>5/8</td>
<td>1-3/8</td>
<td>1-3/4</td>
</tr>
<tr>
<td>SM153-250-2</td>
<td></td>
<td>0.250</td>
<td>5/8</td>
<td>3/4</td>
<td>1-3/4</td>
</tr>
<tr>
<td>SM153-250-1</td>
<td></td>
<td>0.250</td>
<td>5/8</td>
<td>3/4</td>
<td>7/16</td>
</tr>
<tr>
<td>SM153-187-2</td>
<td></td>
<td>0.250</td>
<td>1/2</td>
<td>3/4</td>
<td>7/16</td>
</tr>
<tr>
<td>SM153-187-1</td>
<td></td>
<td>0.250</td>
<td>1/2</td>
<td>3/4</td>
<td>7/16</td>
</tr>
</tbody>
</table>

U.S. INDUSTRIAL COINING POST ASSEMBLY DIE TOOLING
- For use on lower side - coining post to accept die and ram assembly for Hot Dimpling
- Available in different heights and diameters (Ref: Dim. A.)
- Die holder and pin must be purchased together

<table>
<thead>
<tr>
<th>DIE HOLDER TYPE</th>
<th>DIMENSION SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>US89730 (Std. Shaft)</td>
<td></td>
<td>0.499</td>
<td>0.500</td>
<td>1.500</td>
<td>1.310</td>
</tr>
<tr>
<td>US89730-1 (Ext. Shaft)</td>
<td></td>
<td>0.499</td>
<td>1.590</td>
<td>2.590</td>
<td>1.310</td>
</tr>
<tr>
<td>US89730-JUMBO (Jumbo)</td>
<td></td>
<td>0.875</td>
<td>0.875</td>
<td>2.000</td>
<td>1.312</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RAM PIN TYPE</th>
<th>DIMENSION SIZE</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>US89729 (Std. Shaft)</td>
<td></td>
<td>0.248</td>
<td>1.200</td>
<td>0.2400</td>
<td>0.437</td>
</tr>
<tr>
<td>US89729-1 (Ext. Shaft)</td>
<td></td>
<td>0.248</td>
<td>2.290</td>
<td>0.3490</td>
<td>0.437</td>
</tr>
<tr>
<td>US89729-JUMBO (Jumbo)</td>
<td></td>
<td>0.248</td>
<td>1.700</td>
<td>0.2900</td>
<td>0.437</td>
</tr>
</tbody>
</table>

STRAP HEATERS
Our U.S. Industrial Strap Heaters incorporate the latest technology in heater designs. Our new and unique coil design has improved the life expectancy 2 to 3 times longer than the original Mica style, while providing a better range of temperature output. The elements are rated for 750°F continuous operation, with an input voltage of 110V A.C. Our Strap Heaters are available in either straight or offset styles and in various lengths to suit your applications. The elements are available separately or as a complete Strap Heater assembly.

<table>
<thead>
<tr>
<th>STRAIGHT TYPE PART NO.</th>
<th>OFFSET TYPE PART NO.</th>
<th>CONNECTOR TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>US2881-B15</td>
<td>US2880-B15</td>
<td>CANNON</td>
</tr>
<tr>
<td>US2881-22</td>
<td>US2881-22</td>
<td>CANNON</td>
</tr>
</tbody>
</table>

RAM COIN DIMPILING ASSEMBLIES
A wide variety of radius type and ram coin dimple dies and punches are available from stock. They are manufactured to exact tolerances from hot work tool steel, especially selected for this application. This provides resistance to wear and the tempering effects of operating at prolonged elevated temperatures.
- For use in either spring load or air coin post equipped machines.
- Radius type dimple dies also available upon request.

<table>
<thead>
<tr>
<th>FASTENER SIZE</th>
<th>PUNCHES PART NO.</th>
<th>DIES PART NO.</th>
<th>RAMS PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/32&quot;</td>
<td>SM132PR3-1/32&quot;</td>
<td>SM132DR3-1/32&quot;</td>
<td>SM132RR3-1/32&quot;</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>SM132PR4-1/4&quot;</td>
<td>SM132DR4-1/4&quot;</td>
<td>SM132RR4-1/4&quot;</td>
</tr>
<tr>
<td>3/16&quot;</td>
<td>SM132PR6-3/16&quot;</td>
<td>SM132DR6-3/16&quot;</td>
<td>SM132RR6-3/16&quot;</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>SM132PR8-1/4&quot;</td>
<td>SM132DR8-1/4&quot;</td>
<td>SM132RR8-1/4&quot;</td>
</tr>
<tr>
<td>8/32&quot;</td>
<td>SM132PS4-8/32&quot;</td>
<td>SM132DS4-8/32&quot;</td>
<td>SM132RS4-8/32&quot;</td>
</tr>
<tr>
<td>10/32&quot;</td>
<td>SM132PS6-10/32&quot;</td>
<td>SM132DS6-10/32&quot;</td>
<td>SM132RS6-10/32&quot;</td>
</tr>
<tr>
<td>1/4&quot;-28&quot;</td>
<td>SM132PSB-1/4&quot;</td>
<td>SM132DB8-1/4&quot;</td>
<td>SM132RSB-1/4&quot;</td>
</tr>
</tbody>
</table>

HOT Dimpler Accessories
WHAT IS A WHEEL MACHINE?

English wheel gets its name from the two steel wheels between which metal is formed. The wheels - one above and one below - are rolled against one another with a piece of sheet metal between, under a pre-adjusted pressure setting. The wheels roll as the sheet metal is moved back and forth. Shaping results as the lower wheel is forced under pressure into the metal, stretching and forming it.

It is especially useful on large panels. The wheel works equally well on aluminum or steel. Two men work together to form a large panel. The wheel can produce very smooth, very complicated curved shapes.

The upper wheel - always with a flat rolling surface - is fixed to the machine. The curve, or crown, of the interchangeable lower wheel - the roller - determines the shape of the piece being formed. The more curve in the roller, the more curve in the work. An adjustment on the lower wheel varies the amount of pressure exerted against the metal by the roller. A knob below the roller sets this pressure. In addition to the pressure adjustment, U.S. wheels have a quick-release lever. This allows the operator to drop the roller away from the upper wheel so the work can be removed and inserted quickly without losing the pressure setting.

MADE IN THE U.S.A.

USING THE WHEEL

First, check to see how much curve you want in the metal panel. Choose a roller corresponding to that curve and install it in the machine. Insert the metal between the wheels. Adjust the roller so it has a slight amount of pressure against the work. Remember: Less pressure is needed to form aluminum than is needed for steel. The panel is pushed and pulled - back and forth - between the wheels. The first few passes - movement in either direction - will show if the pressure is right. If it is too light, the work will skid or slip between the wheels. If it’s too heavy, roller marks will show up in the work.

Specifications US1001 Wheel

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Reach</th>
<th>Opening Height</th>
<th>Inside Tooling Post</th>
<th>Max. Gap W/D</th>
<th>Overall Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>.125 Thick Soft Aluminum</td>
<td>44”</td>
<td>38”</td>
<td>3”</td>
<td>77-3/4”</td>
<td>*1,450 lbs.</td>
<td></td>
</tr>
<tr>
<td>.063 Thick Mild Steel</td>
<td>44”</td>
<td>38”</td>
<td>3”</td>
<td>77-3/4”</td>
<td>*1,450 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

US1001*  
Includes 3 standard wheels:
TP1001-1  
Anvil Wheel - 12” radius
TP1001-2  
Anvil Wheel - 2-3/8” radius
TP1001-3  
Anvil Wheel - 5” radius

*Shipped Freight Collect.

OPTIONAL WHEELS  
(Wheels complete with axle & bearings)
TP1001-4  
Anvil Wheel - 8-1/2” radius
TP1001-5  
Anvil Wheel - 3-1/4” radius
TP1001-6  
Flat Anvil Wheel
U.S. INDUSTRIAL QUICK SHAPER
PART NO: USFPMS-2001

U.S. Industrial Tool has teamed with Ron Fournier, widely recognized master metal worker and international author, to create this innovative new machine. Ron’s decades of experience shines through in his answer to efficient access to the most widely utilized cold working/metal forming process. Fournier recognized that sheet metal project replication requires the following multiple tasks:

- Hammering for pre-forming
- Wheeling and raising of metal panel
- Shrinking or stretching
- Planishing

Ron’s goal was to provide a mobile forming center that can be navigated within the shop, allowing the worker to do many tasks right at the work site, as well as store the many different forming tools needed for truly professional results.

Each machine comes equipped as follows:

- Mobile unit on large casters
- English wheel and raising machine – foot activated design with six (6) different forming rollers
- Shot bag
- Interchanged pre-forming and planishing dollies – one (1) different crown
- Foot operated shrinker
- Hands tools not included
- Throat opening: 24” deep x 19” high
- Overall height: 51”
- Replacement wheels available
- Optional stretcher jaws available
- Made in the U.S.A.
- 385 lbs.
- 760 lbs. shipping weight
These exceptional metal formers are great for making smooth radius bends in sheet metal without cutting, heating, or hammering the material. Reproduce just about anything with a curved edge. Mount them on your work bench or in a vise. Use the shrinker to contract metal, to make inside curves and use the stretcher to expand the metal for outside curves. The hand operated press gives a 45-to-1 leverage, works metal up to 18 gauge mild steel, 20 gauge stainless, and 17 gauge aluminum. Specially hardened jaws are reversible for double life. Each 12 lb. unit comes completely assembled and ready to use.

**SHEET METAL SHRINKER**  
PART NO: TP371  
12 lbs.  
• 1” reach capability

**SHEET METAL STRETCHER**  
PART NO: TP372  
12 lbs.  
• 1” reach capability

**SHRINKER STRETCHER COMBINATION**  
PART NO: TP372C  
13 lbs.  
Buy one unit with shrinking jaws and extra stretching jaws and easily convert to stretching or shrinking.

**SHRINKER STRETCHER STAND**  
PART NO: TP371ST  
15.8 lbs.  
• To be used on TP371/TP372 only  
• Designed to hold both Shrinking and Stretching tools  
• Heavy duty steel construction  
• 23” height  
• Tools not included

**U.S. INDUSTRIAL DEEP THROAT**  
**SHEET METAL SHRINKER**  
PART NO: TP395  
• 64 lbs.  
• Bench mount  
• 8” reach  
• 5-1/2” gap  
• 18 gauge mild steel capacity

**ACCESSORIES**  
PART NO: 9084 - Stretcher jaw  
PART NO: 9078 - Shrinker jaw

---

Our Shrinkers & Stretchers  
Make Fantastic Curves
U.S. INDUSTRIAL PNEUMATIC DRILL
PART NO: US7387P-4500 (Includes chuck guard & chuck key)
PART NO: US7387P-2800 (Includes chuck guard & chuck key)
PART NO: US7387P-1200 (Includes chuck guard & chuck key)
PART NO: US7387P-500 (Includes chuck guard & chuck key)
PART NO: US7387P-15000 (Includes chuck guard & chuck key)
Ergonomically designed, compact, quiet, and powerful are just a few of the benefits available with this air drill. The short body length is ideal for working in tight areas while the light weight and perfect balance makes it the mechanics favorite drill.

- .75 HP motor - High Torque Motor
- Variable speed teasing trigger standard - adjustable trigger optional
- Made in the USA
- CE certified

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>RPM</th>
<th>CAPACITY</th>
<th>LENGTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>US7387P-4500</td>
<td>4500</td>
<td>1/4&quot;</td>
<td>6&quot;</td>
<td>2.00 lbs.</td>
</tr>
<tr>
<td>US7387P-2800</td>
<td>2800</td>
<td>1/4&quot;</td>
<td>6&quot;</td>
<td>2.00 lbs.</td>
</tr>
<tr>
<td>US7387P-1200</td>
<td>1200</td>
<td>3/8&quot;</td>
<td>7-1/2&quot;</td>
<td>2.13 lbs.</td>
</tr>
<tr>
<td>US7387P-500</td>
<td>500</td>
<td>3/8&quot;</td>
<td>7-1/2&quot;</td>
<td>2.13 lbs.</td>
</tr>
<tr>
<td>US7387P-15000</td>
<td>15000</td>
<td>1/4&quot;</td>
<td>5/38&quot;</td>
<td>1.82 lbs.</td>
</tr>
</tbody>
</table>

U.S. INDUSTRIAL QUICK-CHANGE PNEUMATIC DRILL
PART NO: US7387PK-2800
Ergonomically designed, compact, quiet, and powerful are just a few of the benefits available with this air drill. The short body length is ideal for working in tight areas while the light weight and perfect balance makes it the mechanics favorite drill.

- .75 HP motor - High Torque Motor
- Variable speed teasing trigger standard - adjustable trigger optional
- Uses TP248B Jacob’s keyless chuck
- Made in the USA
- CE certified

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>RPM</th>
<th>CAPACITY</th>
<th>LENGTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>US7387PK-2800</td>
<td>2800</td>
<td>1/4&quot;</td>
<td>6&quot;</td>
<td>2.00 lbs.</td>
</tr>
</tbody>
</table>

PISTOL GRIP AIR DRILLS
U.S. INDUSTRIAL ANGLE DRILL
PART NO: US7092DARE-4500 (4,500 RPM)
PART NO: US7092DARE-2800 (2,800 RPM)
- 90° angle head
- Rear exhaust
- 1/4” drilling capacity
- 59/64” angle head height
- 1/4”-28
- 12-5/8” length
- 78 DB
- Made in the U.S.A.
- CE certified

U.S. INDUSTRIAL QUICK CHANGE COLLET DRILL
PART NO: US7092DARE-CTL-4500 (4,500 RPM)
9/32” spindle. Collets available in: 40, 30, 28, 21, 12 & 11
PART NO: US7092DARE-CTL-2800 (2,800 RPM)
9/32” spindle. Collets available in: 40, 30, 28, 21, 12 & 11
2.3 lbs.
Our latest entry to the angle drill market, maintaining our tradition of the smallest angle head design for close-quarter drilling operations.

U.S. INDUSTRIAL STRAIGHT DRILL
PART NO: US7092SDRE-2800 (2,800 RPM)
PART NO: US7092SDRE-4500 (4,500 RPM)
PART NO: US7092SDRE-500 (500 RPM)
PART NO: US7092SDRE-15,000 (15,000 RPM)
- 2 lbs.
- Rear exhaust
- Powerful and quiet
- 1/4” capacity
- 8” length (500 rpm 9” length)
- .75 HP
- Made in the U.S.A.
- CE certified

U.S. INDUSTRIAL FLAT ANGLE DRILL
PART NO: US7092PAN-2800 (2,800 RPM)
PART NO: US7092PAN-4500 (4,500 RPM)
2.65 lbs.
- Small, powerful, quiet
- 1/4” - 28 spindle
- The original “pancake” design
- 11” length
- Specifications:
  “A” = 7/16”
  “C” = 2-1/8”
  “L” = 4-1/8”
- Made in the U.S.A.
- CE certified

U.S. INDUSTRIAL FLAT ANGLE DRILL
PART NO: US7092FO-2800 (2,800 RPM)
PART NO: US7092FO-4500 (4,500 RPM)
2.2 lbs.
- Small, powerful, quiet
- 1/4” - 28 spindle
- Allows access into difficult to reach applications
- 8-3/4” length
- Specifications - angle head:
  “D” = 2-7/16”
  “E” = 5/8”
  “F” = 2-3/8”
- Made in the U.S.A.
- CE certified
U.S. INDUSTRIAL ANGLE DRILL ATTACHMENT
PART NO: TP4 - DRILL ATTACHMENT
.80 lbs.
• Replaces our original TP46
• Easy to use
• Accepts cone jaw chuck
• 90° heavy duty design capable of 6,000 rpm operation
• Accepts any 1/4” x 28 threaded drill bits
• 1/4” x 28 female threaded spindle
• 7” overall length
• 15/16” angle head height
• Will mount to any standard drill chuck
• Rated up to 1/4” hole drilling capacity
• Maximum T.I.R. - .005”
This top quality attachment is our own make and is made in the U.S.A.

PART NO: TP4K - DRILL ATTACHMENT KIT
(Kit includes TP4 attachment, and #21, #30 & #40 bits)

U.S. INDUSTRIAL SNAKE DRILL ATTACHMENT
PART NO: TP47 - SNAKE DRILL ATTACHMENT
PART NO: TP47K - SNAKE DRILL ATTACHMENT
(Includes 1 ea.: TP47, TP54-21, TP54-30, and TP54-40)

• Accepts 1/4” x 28 threaded drill bits or cone jaw chuck
• 1/4” x 28 female threaded spindle
• 26” length
• 1” angle head height
• Will mount to any standard drill chuck
Similar to an angle attachment, but with a flexible shaft that allows you to get into tight spots.

ANGLE DRILL COLLET & CHUCK KIT
PART NO: TP258
.25 lbs.
This 10 piece kit gives you three different methods of drilling in tight spots. Each shank is 1/4” x 28 which will thread into most drill spindles that angle attachments and angle drills are supplied with.

KIT CONTENTS
• (4) #200 collets & adapters - drill sizes 11, 21, 30 & 40
• (4) threaded drill bits (1-1/4” length) - drill sizes: 10, 21, 30 & 40
• (1) cone jaw chuck

U.S. INDUSTRIAL DRILL KIT
PART NO: TP47DLX
Includes:
• 1 - TP4 Angle Drill
• 1 - TP47 Snake Drill
• 1 - TP258 Collet Drill
• 1 - TP47 Pouch

CONIC JAW CHUCK
PART NO: TP57
.13 lbs.
Heavy duty yet mini size fits any angle drill or attachment with 1/4” x 28 threads. It’s just what you need for close quarter drilling.
• Capacity from 1/16” to 1/4”
• 3/4” length
• Wrench included
Regardless of how much care and time is used in setting flush rivets, an occasional head will not be flush with the skin. Either it won't be hammered or squeezed enough or the head will be tilted to one side or the other, leaving a slightly raised surface. To help eliminate this defect in aerodynamics, the raised surface must be removed and this job can be accomplished with the use of one of our pneumatic Rivet Shavers. These high-powered ergonomically designed tools will quickly and effortlessly mill off the flaws and make the head flush to the surface. Available in Straight and Pistol Grip models and with a variety of optional skirts to accommodate different diameter cutters. The shavers come with stabilizer bars to keep the cutter on the rivet and not sliding on the skin. The US7387RSE is equipped with a 4” extended skirt and spindle to reach into hard to access areas. A stabilizer is not available for the extended model. Manufactured in the U.S.A. by U.S. Industrial Tool.

**U.S. INDUSTRIAL RIVET SHAPER KIT**

**PART NO: US7387RSK**

This 16 piece shaver kit includes the tools necessary to work on all types and sizes of aluminum and steel rivets.

**KIT INCLUDES:**

- US7387RS rivet shaver
- 3685-5/16” skirt
- 3686-3/8” skirt
- 3687-7/16” skirt
- 3688-1/2” skirt
- 3689-9/16” skirt
- 3690-5/8” skirt
- 3691-3/4” skirt
- TP143-5/16” shaver bit
- TP143-3/8” shaver bit
- TP143-7/16” shaver bit
- TP143-1/2” shaver bit
- TP143-9/16” shaver bit
- TP143-5/8” shaver bit
- TP143-3/4” shaver bit
- TP217 storage box

**U.S. INDUSTRIAL AIR POWERED RIVET SHAPER**

**PART NO: US7387RS**

**PART NO: US7387RSE**

(For limited access applications, 4” extension. Ideal for rivet removal tasks)

- Shaves clean and precise regardless of rivet height
- Adjustable depth cut in .001” increments
- Comes with stabilizer and 9/16” standard skirt
- Uses 1/4” x 28 male threaded shaver bits
- .75 HP motor
- Features non-adjustable/variable speed trigger
- Manufactured in the U.S.A.
- CE certified

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>RPM</th>
<th>CAPACITY</th>
<th>LENGTH</th>
<th>WEIGHT</th>
<th>SKIRT SIZES AVAILABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>US7387RS</td>
<td>18,000</td>
<td>1”</td>
<td>6.75”</td>
<td>2.75 lbs.</td>
<td>5/16”, 3/8”, 7/16”, 1/2”</td>
</tr>
<tr>
<td>US7387RSE</td>
<td>18,000</td>
<td>1/2”</td>
<td>10.75”</td>
<td>3.50 lbs.</td>
<td>9/16”, 5/8”, 3/4”, 1”</td>
</tr>
</tbody>
</table>
U.S. INDUSTRIAL AIR POWERED
STRAIGHT RIVET SHAVER
PART NO: US7092RSS
• Straight handle design
• Shaves clean and precise regardless of rivet height
• Adjustable depth cut in .001" increments
• Comes with stabilizer and 9/16" standard skirt
• Uses 1/4" x 28 male threaded shaver bits
• 5/8" capacity
• 8-1/2" length
• Rear exhaust
• Manufactured in the U.S.A.
• CE certified

U.S. INDUSTRIAL PANEL CUTTING SAW
PART NO: US7387PAS
4 lbs.
Cuts a wide range of material: up to 3/16" aluminum, 16 gauge mild steel, 5/8" plastic laminates; and, with our diamond saw blades, cuts kevlar and composite materials.
• 5/16" depth of cut
• Uses 1-1/4" - 2" diameter saw blades - specify
• 7/16" arbor hole
• 11-3/4" length
• Includes (4) 1-3/4" saw blades
• CE certified

U.S. INDUSTRIAL ROUTER
PART NO: US7092RO
2.12 lbs.
Lightweight straight handle router
• 12,000 RPM
• Accepts 1/4" shank router bits
• Includes 14-2501 router guide
• 6" length
• Manufactured in the U.S.A.
• CE certified

ACCESSORIES-SAW BLADES
157-34 (1-3/4" dia. - 44 tooth - 5/16" depth of cut)
157-36 (1-3/4" dia. - 60 tooth - 5/16" depth of cut)
157-54 (2" dia. - 44 tooth - 3/8" depth of cut)
157-56 (2" dia. - 60 tooth - 3/8" depth of cut)
157-710 (3-3/8" dia. - 100 tooth - 1" depth of cut)
157-713 (3-3/8" dia. - 136 tooth - 1" depth of cut)

U.S. INDUSTRIAL PANEL CUTTING SAW KIT
PART NO: US7387PASK
Includes US7387PAS Panel Saw
• 4 157-34 Sawblades
• 4 157-36 Sawblades
• 4 157-54 Sawblades
• 4 157-56 Sawblades
• 1 TP584B Diamond Saw Blade
• 1 TP584D Diamond Saw Blade
• Tool Case

ROUTER GUIDES (for router bits with 1/4" shanks)
DIMENSIONS IN INCHES

<table>
<thead>
<tr>
<th>PART NO.</th>
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Trailer Body Tools

U.S. Industrial Portable Punch

**Part No: US151PU**

- 20.5 lbs.
- Quicker and cheaper than drilling
- Makes clean, accurate holes without burrs
- 5,400 lbs. force maximum
- 3/16” maximum material thickness
- 5/16” maximum hole diameter
- 1-7/8” reach
- 1/2” gap
- 21-1/2” length
- Manufactured in the U.S.A.

**U.S. Industrial Super Roof Punch**

**Part No: US151SPU**

- 22.4 lbs.
- 540 clearance gap
- .480 max. material thickness - total stack up
- 5/16” max. hole dia.
- 1-7/8” reach
- 21-1/2” length
- We can provide punch yoke modifications to fit most every trailer rail configuration

Upon completed, we’ll catalog those unique changes and provide you with a special tool part number fitting your application. For future needs, all you’ll have to do is specify by tool part number and you’ll receive a tool ready for service.
U.S. INDUSTRIAL TAB SHEAR
PART NO: US7000
- Capacity: 1/16” steel, 3/32” aluminum
- Max. throat opening: 1/8” height*, 3” length*
- 8-1/2” long
- 4,500 max. force at 90 PSI
- Precision shearing of router tabs on aluminum, steel, titanium and stainless steel or similar shearing and trimming operations for other applications
- Double-action trigger valve
- Improved grip design for operator comfort
- Shear blades may be re-sharpened or rotated to a new edge
- Strengthened frame for improved durability
- 6.5 lbs.
- Made in U.S.A.

PART NO: US7000T
(Tandem Cylinder Design - Increased Force)
- Capacity: 1/8” steel, 3/16” aluminum
- Max. throat opening: 3” height*, 12-1/4” length*
- 8-1/2” long
- 6,500 max. force at 90 PSI
- 9.8 lbs.
- Made in U.S.A.

BENCH TOP STAND
PART NO: US7000BMS
Bench top stand allows stationary mounting of tab shear for added convenience, remote foot pedal, quick-change release, less tool, 4.10 lbs.

PART NO: US7000BMST
Bench Top Stand with remote foot pedal US7000T

U.S. INDUSTRIAL SHEAR
PART NO: US7387PS
PART NO: US7092PS
(Straight handle, not shown)
2.14 lbs.
A compact, quiet and powerful tool with an advanced ergonomic handle design.
- Cuts straight lines or curves
- 18 gauge mild steel capacity
- 180°/minute cutting speed
- 7/32” width of cut
- 8-1/4” length
- Manufactured in the U.S.A.

U.S. INDUSTRIAL GRINDER
PART NO: US7092DBRE
1 lb.
- 18,000 RPM
- 1/4” collet
- 7” length
- Rear exhaust
- .36 H.P.
- Safety lever throttle
- Manufactured in the U.S.A.
- CE certified
US INDUSTRIAL STOP COUNTERSINKS
- Standard series countersinks have a hardened bushing supporting the spindle
- Rated to 3000 RPM
- For flush riveting, rivet shaving & collar removal
- 1/4” shank fits any power tool chuck
- 1/4” x 28 female threaded spindle will accept replaceable pilot cutter, hollow cutters, rivet shaver bits, etc.
- Hardened and ground precision spindle
- Adjustable in .001 increments
- Wrench flats on spindle to aid in cutter removal
- Can be fitted with other skirt styles (see below)
- 9/32” shaft travel
- 4” length
- Made in U.S.A.

PART NO: TP61
Standard Stop Countersink w/TP61-S Skirt - Wt. .28 lbs.

PART NO: TP61K
Kit includes 1 ea: TP61, TP62-21, 30, 40 & storage tube - Wt. .34 lbs.

TP61MM
Std. Countersink with 6 mm thread - Wt. .25.

TP61WF
Std. Countersink w/TP61WF - 1 polished steel skirt - Wt. .31 lbs.

TP61WFT
Std. Countersink w/TP61WF - 1T Teflon faced skirt - Wt. .32 lbs.

US INDUSTRIAL STOP COUNTERSINKS - BEARING TYPE
- High speed series countersinks have ball bearings supporting the spindle
- For flush riveting, rivet shaving & collar removal
- 1/4” shank fits any power tool chuck
- 1/4” x 28 female threaded spindle will accept replaceable pilot cutter, hollow cutters, rivet shaver bits, etc.
- Hardened and ground precision spindle
- Adjustable in .001 increments
- Wrench flats on spindle to aid in cutter removal
- Can be fitted with other skirt styles (see below)
- 9/32” shaft travel
- 4” length
- Made in U.S.A.

TP61B
High Speed Stop Countersink w/TP61-S skirt. Rated to 6,000 rpm. Wt. .28 lbs. (Needle bearing)

TP61BB
High Speed Stop Countersink w/TP61-S skirt. Rated to 10,000 rpm. Wt. .31 lbs. (Double ball bearing)

TP61BMM
High Speed Stop Countersink w/TP61-S skirt. Rated to 6,000 rpm with 6mm thread. Wt. .31 lbs. (Needle bearing)

TP61BBMM
High Speed Stop Countersink w/TP61-S skirt. Rated to 10,000 rpm with 6mm thread. Wt. .31 lbs. (Double ball bearing)

TP61BWFT
High Speed Countersink w/TP61WF - 1T Teflon faced skirt. Wt. .35 lbs. (Double ball bearing)

JUMBO COUNTERSINK
TP59
- Rated to 3,000 rpm
- For flush riveting, rivet shaving and collet removal
- Shank dia. 3/8”
- Female threaded spindle 3/8 - 24
- Cutter capacity 1 1/4”
- Adjustable in .001 increments
- 1/2” shaft travel
- Bearings
- Uses TP60 series countersink pilots
U.S. INDUSTRIAL SWIVEL REGULATOR
PART NO: TP1
.25 lb.
- 360° swivel to allow hose to drop down
- Ball detent regulator
- 1/4” connection
- 25 CFM

RIVET GUN TYPE
SCREW REMOVAL TOOL
PART NO: TP328
1.8 lbs.
- Useful in removing screws that are corroded or have stripped heads
- .401 Parker taper shank for use in rivet gun
- 3/8” square socket end with 1/4” hex adapter included
- Use standard Phillips or Slotted insert bits
- Rivet gun required

REQUIRE SPRINGS
Our retainer springs come in two styles:
- Quick Change Type: designed to make possible the speedy changing of rivet sets in your rivet gun.
- Beehive Type: designed to securely hold rivet sets in the rivet gun.

<table>
<thead>
<tr>
<th>Retainer Spring</th>
<th>Beehive Type Tool No.</th>
<th>Quick Change Tool No.</th>
<th>Safety Type Tool No.</th>
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<td>AVC12-AVC13</td>
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</table>

HEAVY DUTY RIVET CUTTER
PART NO: TP346
- All cast steel construction
- Cuts 1/16 to 1/4” aluminum rivets - domed and countersunk head types
- 10 rivet sizes available
- Adjustable rivet length gauges in 1/16” of inch

U.S. INDUSTRIAL
PRO MECHANIC PRECISION RIVET HEAD GAUGES
PART NO: TP854P-3 (3/32 or -3 rivet size)
PART NO: TP854P-4 (1/8 or -4 rivet size)
PART NO: TP854P-5 (5/32 or -5 rivet size)
PART NO: TP854P-6 (3/16 or -6 rivet size)
PART NO: TP854P-7 (7/32 or -7 rivet size)
PART NO: TP854P-8 (1/4 or -8 rivet size)
- Precision machined
- Provides accurate rivet shank measurement of minimum to maximum. Dovetail finished diameters, as driven.
- Approximately 1” x 1” size
- Nominal gauge slot for identification of rivet diameter
- Dovetail heights and based on 1.5 D (rivet diameter versus length of shank minus actual material stack up)

U.S. INDUSTRIAL
RIVET LENGTH GAUGE
PART NO: TP853
- This gauge eliminates the guessing of rivet lengths
- Measures 3, 4, 5, and 6 rivets (1.5d of the rivet shank)
- Made from machined aluminum and anodized
- Ideal for the kit builder
- Can also be used for flush rivets

U.S. INDUSTRIAL
SHOP HEAD RIVET GAUGE SET
PART NO: TP854
- This gauge eliminates guessing if your rivets are properly set
- Each gauge checks the dovetail height and offset shank of rivet (1.5d of the rivet shank)
- Set of four gauges for -3, -4, -5, and -6 rivets
- Made from aluminum and anodized
- Can also be used for flush rivets
- Color coded
**CLECO Pliers**

**Part No: TP74**
- Installs CLEKO-LOK C-CC-CHD fasteners
- Installs Monogram M, MM, ML, MEL & MHD fasteners
- Installs Kwik-Lok K-KK, KL, KEL & KHD fasteners
- Made from forged steel and nickel plated to resist wear and abuse
- Top quality forged construction

**CLECO Reverse Pliers**

**Part No: TP74B**
- Used in limited access areas
- Requires less travel per activation

**U.S. Industrial Fluting Pliers**

**Part No: TP722**
- .4 lbs.
- Polished machined jaws
- Forged steel construction and hardened
- Cushion grip handles
- Ideal for kit builders
- 9-1/2” length
- Manufactured in the U.S.A. by U.S. Industrial Tool

**U.S. Industrial Cleco Installation Driver**

**Part No: TP835**
- .14 LB.
  Developed to install all types of Wing Nut and Hex Nut Reusable Fasteners. Can be used with any power tool that has a 1/4” capacity chuck or a 1/4” hex female spindle. We recommend a driving tool with an adjustable clutch since damage to the aircraft structure can occur if excessive torque is applied.
  - Simple alternative to a dedicated power tool used to install Wing/Hex Nut Fasteners
  - Increases productivity
  - Usable in field repairs or for kit aircraft construction
  - Comes with a hex wrench for retaining fastener body
  - Heat treated steel construction
  - 3-1/2” overall length, 2-1/2” extends beyond chuck

**U.S. Industrial Pneumatic Cleco Fastener Installation Tool**

The Pneumatic Cleco Fastener Installation Tool, #US902, has been developed to eliminate the constant, repetitive motion associated with the common cleco plier. It also adds speed and efficiency to the installation and removal of cleco fasteners. This tool is ideal for kit builders, mechanics and aircraft production assemblers.
- A must for every aircraft builder
- Lever throttle
- Ergonomic handle
- 360° swivel mount
- For use on button type and side grip temporary fasteners
- Quiet operation
- Straight handle
- 6 foot polyurethane lead hose
- Made in the U.S.A.
- CE certified

**Specifications - US902 & US902E**

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**U.S. Industrial Cleco Installation Tool**

**Part No: TP835**
- .14 LB.
  Developed to install all types of Wing Nut and Hex Nut Reusable Fasteners. Can be used with any power tool that has a 1/4” capacity chuck or a 1/4” hex female spindle. We recommend a driving tool with an adjustable clutch since damage to the aircraft structure can occur if excessive torque is applied.
  - Simple alternative to a dedicated power tool used to install Wing/Hex Nut Fasteners
  - Increases productivity
  - Usable in field repairs or for kit aircraft construction
  - Comes with a hex wrench for retaining fastener body
  - Heat treated steel construction
  - 3-1/2” overall length, 2-1/2” extends beyond chuck
U.S. INDUSTRIAL MINI-AIR VACUUM
PART NO: TP675
.53 lb.
• Venturi type design with 1” I.D.
• Lightweight ABS plastic construction
• Picks up ferrous and non-ferrous chips, bolts and rivets
• Throttle with special lock-on feature
• TP575-10 - 18” flexible hose included
• 1/4” inlet
• Air required
• Made in USA

FRACTURE RESISTANT FASTENER ORGANIZER
PART NO: TP840
.99 lbs.
Handy fastener organizer that allows the storage of rivets, screws, plate nuts, pins, etc. Provides quick access and easy selection of hardware right at your work site. Spring loaded doors on each compartment insure that the fasteners will stay stored and will stop unwanted spills if knocked over.
• 7” X 12” X 2” (Units are stackable).
• 8 compartments 3” wide X 2-7/8” length X 1-3/4” deep
• ABS plastic construction
• Drop away handle for ease of carrying and storing Accessories at additional cost:

ACCESSORIES
PART NO: TP275B (Spare bag and clip for either vacuum)
PART NO: TP275-1 (Spare bag only for either vacuum)
PART NO: TP275B-1 (Spare clip for either vacuum)
PART NO: TP575-10 (18” clear flexible hose for 1” I.D. vacuum)
PART NO: TP575-24 (24” clear flexible hose for 1” I.D. vacuum)
PART NO: TP575-36 (36” clear flexible hose for 1” I.D. vacuum)
PART NO: TP575R-10 (12” rigid tube for 1” I.D. vacuum)
PART NO: TP575R-24 (24” rigid tube for 1” I.D. vacuum)

ALUMINUM MINI-AIR VACUUM
PART NO: TP575
.53 lb.
• Venturi type design with 1” I.D.
• Cast aluminum construction
• Picks up ferrous and non-ferrous chips, bolts and rivets
• Throttle with special lock-on feature
• TP575-10 - 18” flexible hose included
• 1/4” inlet
• Air required

U.S. INDUSTRIAL HOLE FLANGING TOOL
PART NO: TP326
• Ideal tool for flanging lightening holes
• Ball bearing construction
• Easy to use

US INDUSTRIAL CAM-LOC PLIER
PART NO: TP786
.25 lb.
• Ergonomic design
• Molded polyurethane hand grips
• High quality plier designed specifically for stud series 2600, 2700 and 4002
• Manufactured in the U.S.A. by U.S. Industrial Tool

U.S. INDUSTRIAL RIVET SET ORGANIZER
PART NO: TP843
• Plastic organizer block holds up to 28 pieces of dimple dies and squeezer sets
• 5” X 8” X 1/2” thick with 28 equal spaced .187” holes
• Precision machined by U.S. Industrial Tool
• Rivet sets not included

DIVIDER TRAY
PART NO: TP840-2
Divide each compartment in half with a simple slide-in insert.

DIVIDER TRAY
PART NO: TP840-2
Divide each compartment in half with a simple slide-in insert.

US INDUSTRIAL WRENCH TYPE RIV-NUT TOOL
PART NO: TP726A - 6-32
PART NO: TP726B - 8-32
PART NO: TP726C - 10-32
PART NO: TP726N - NOTCHER
PART NO: TP726K - KIT
(Kit includes: TP726A, TP726B, TP726C, TP726N and handy case)
• Perfect for field repair and experimental use
• Easy to use - inserts from one side of the work in seconds
• Excellent for close quarters, overall height less mandrel 1-1/2”
• Uses 3/4” open end or socket wrench
• TP726N - Notcher - manually operated
• Made in the U.S.A.
HAND SEAMER
PART NO: TP44
1.5 lbs.
• Wide, deep jaws machined for smooth parallel fit
• Forms precise folds and seams
• 1” deep x 3-1/2” wide throat

DEBURRING TOOL
PART NO: TP266
• Curved blade swivels freely and automatically
• Blades install quickly
• Seven blades included (TP266A)
For faster, easier deburring . . . follows all shapes, holes and contours.

REPLACEMENT BLADES
PART NO: TP266A
• For steel and aluminum

PART NO: TP266B
• For brass and cast iron
• Can rotate clockwise and counter-clockwise

PART NO: TP266C
• For straight edges on all materials

PART NO: TP266D
• Removes internal and external burrs simultaneously from holes drilled into tubing and sheet metal

PART NO: TP266E
• For small holes in steel and aluminum

PART NO: TP266F
• For small holes in brass and cast iron
• Can rotate clockwise and counter-clockwise

TIMING INDICATOR
PART NO: TP102
1.3 lbs.
This quality tool is supplied with an 18mm top dead center indicator for the #1 cylinder. The Timing Indicator attaches to most aircraft engines, equipped with propeller nose cones (spinners), by an elastic strap. They are very easy to use and are accurate to 1/2”.
• Aluminum unit designed to speed up progress of timing magnetos to engine
PART NO: TP102E
Made by Eastern Technology

MAGNETO TIMING LIGHT
PART NO: TP105
1.75 lbs.
• Complete with batteries
For internal timing and synchronizing of magnetos to the aircraft engines. Simply attach 3 clips to magnetos and adjust until both bright lights flash in synchrony and the buzzer changes pitch.
PART NO: TP105E
Made by Eastern Technology

HI-VOLTAGE CABLE TESTER
PART NO: TP103
1.3 lbs.
This unit operates off the aircraft power supply and provides a fast and accurate test of aircraft ignition cables.
• Accurate testing of aircraft ignition cables
• Simple 3 wire connection
• Press button and test is complete
TP103E
Made by Eastern Technology

U.S. INDUSTRIAL
DIFFERENTIAL CYLINDER TESTER
PART NO: TP104
PART NO: TP104-9B 14mm adapter w/ copper washer
PART NO: TP104-9A 18mm adapter w/ copper washer 2 lbs.
Our Differential Cylinder Pressure Tester is a fast and accurate test to help determine worn or cracked rings, locate defective intake or exhaust valves, worn or stripped spark plug bushings or leaky head gaskets among others.
This unit is the best on the market.
• Pre-calibrated
• .040 Orifice
• Re-Certification Calibration service available on all models
• Includes storage pouch

MASTER ORIFICE TOOL
PART NO: 646953A
• Used to calibrate Differential Cylinder Tester
U.S. INDUSTRIAL/ECKOLD FOOT FORMER
PART NO: USP150
(Includes 1 each FWA405K & FWR407K jaws)
• Designed and developed through a team effort between Eckold AG and U.S. Industrial Tool
• Ideal for use in sheet metal shops, schools, auto restoration facilities, aircraft maintenance shops and manufacturers
• Quick change tooling allows change-over in seconds
• Cast iron base with built in work shelf for tool storage
• Adjustable stroke to compensate for metal thickness
• Foot operation allows the use of both hands on large jobs
• Provides compound leverage and is much more comfortable for the operator
• Allows for greater control in correcting operations

SPECIFICATIONS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>REACH</th>
<th>GAP</th>
<th>CAPACITY</th>
<th>HEIGHT</th>
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<tr>
<td>KF170PD</td>
<td>7”</td>
<td>4”</td>
<td>16 ga. mild steel 14 ga. aluminum</td>
<td>60”</td>
<td>550 lbs.</td>
</tr>
</tbody>
</table>

OPTIONAL JAWS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>SHRINKING</th>
<th>STRETCHING</th>
<th>Dia.</th>
<th>CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWA405K</td>
<td>X</td>
<td></td>
<td>40mm</td>
<td>16 ga. mild steel 16 ga. mild steel</td>
</tr>
<tr>
<td>FWR407K</td>
<td>X</td>
<td></td>
<td>40mm</td>
<td>16 ga. mild steel</td>
</tr>
<tr>
<td>FWA602K</td>
<td>X</td>
<td></td>
<td>60mm</td>
<td>14 ga. mild steel</td>
</tr>
<tr>
<td>FWR603K</td>
<td>X</td>
<td></td>
<td>60mm</td>
<td>14 ga. mild steel</td>
</tr>
<tr>
<td>HS40K</td>
<td>X</td>
<td></td>
<td>40mm</td>
<td>16 ga. mild steel</td>
</tr>
<tr>
<td>HFL70K</td>
<td>X</td>
<td></td>
<td>40x70mm</td>
<td>18 ga. aluminum</td>
</tr>
<tr>
<td>HLA60K</td>
<td>X</td>
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<td>38x65mm</td>
<td>19 ga. aluminum</td>
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<tr>
<td>HLR60K</td>
<td>X</td>
<td></td>
<td>28x65mm</td>
<td>19 ga. aluminum</td>
</tr>
</tbody>
</table>

ECKOLD SHEET METAL HAND FORMER
PART NO: HF100
(Includes one set of standard shrinking and stretching jaws - FWA405SSP & FWR407SSP)

PART NO: HS40SSP (Beak tool)
PART NO: HFL70SSP (No-Mar jaws)
The Eckold Handformer consists of a pedestal, column and head. The jaws are activated by pressing down on the lever. The quick-change holders on the jaws eliminate down time so the Handformer is always ready for use. Great for shrinking, stretching, punching, bending and notching.

SPECIFICATIONS:
69 lbs.
• Reach when shrinking & stretching - 3.150”
• Gap when shrinking & stretching - 2.362”
• Working capacity:
  - steel of deep-drawn quality - .059”
  - light metal - .079”
  - Stainless steel - .059”
• Adjustable work height - 32.680” to 44.490”

ECKOLD® AIR POWERED HAND FORMER DRIVE KIT
PART NO: 702-000-000 (Conversion Kit complete)
PART NO: HF80CH-702 (HF80CH fitted with 702-000-000 kit)
Convert your existing Eckold hand operated hand former to an air powered hand former with remote foot pedal control. Foot pedal speed and sensitivity is adjustable and allows the operator precise control of applied forces. Hands-free operation will make forming/connecting much less challenging than hand operated. Detailed installation instructions are included with each kit. A real enhancement to productivity and operational ease.

ECKOLD PLANISHING HAMMER KIT
PART NO: GL2
The GL2 is essential for the manual cold forming of metal and aluminum sheet. A portable design where the work can be brought to the tool on the tool to the work. Any industry that has to do prototype manufacture or repairs of existing product can use this kit successfully!
• Quick Change Tooling Design
• Includes: Three (3) different forming dies for planishing, stretching and curving.
• Handy Storage Shelf “The Eckold Tool for a Perfect Finish.”

WE ARE THE NATION’S ONLY STOCKING ECKOLD DISTRIBUTOR
ECKOLD FORMERS ARE THE MOST WIDELY USED MACHINES WORLDWIDE!
ECKOLD “PICCOLO” FORMERS

PART NO: KF324 (Piccolo Kraftformer, manual pressure control)
PART NO: KF330 (Piccolo Kraftformer, automatic pressure control)

The Eckold electrically operated machines are designed for speed and accuracy of operation. These universal machines are used for cold chipless metal forming. The “Piccolo” has a variety of optional jaws available, all with quick-change features. The speed and ease of operation add to the high quality and profitability of the job being performed. Ideal for aircraft and auto restoration metal forming.

**TECHNICAL DATA**

760 lbs. (Approx.)
- Throat reach: 14”
- Throat gap (less tooling): 9-1/2”
- Vertical tooling clearance: 6-3/8” - 7-1/2”
- Overall height: 61-1/4” - 65-5/8”
- Adjustment of ram: 1.30” by hand wheel, 1.18” by geared motor
- Strokes per minute: 400
- Kind of current: 3 phase AC
- Forming capacity:
  - Deep drawing steel: .079
  - Light metal: .100
  - Stainless steel: .060
- Voltage and frequency: per customer request
- Shipped motor freight - freight collect

**LOOK AT ALL THAT YOU CAN DO WITH AN ECKOLD PICCOLO FORMER!**

**STRETCHING and SHRINKING:**
with standard tooling available in sizes of 40 - 50 - 60mm diameters.

**STRETCHING OPTIONS:**
Beak forming tool for acute angles or channels. No-Mar tools for stretching without damaging surface of alloy materials

**PLANISHING:**
Tools do not damage surface of material due to their elasticity.

**DOMING:**
Tools capable of minimum doming radius of 2.17”

**FLATTENING:**
Used to take out “oil cans” or “bananas” by shrinking concentrically.

**REFORMING:**
Reforming and calibrating tools are used to size preformed components to the required exact radius.

**FLANGING:**
Inside-outside-irregular configuration.

**STRAIGHTENING:**
Used for straightening distorted and deformed parts.