PILES – PUNCHES – BRAKES

HAND SEAMER
Handy tools for comparatively light work. Wide, deep jaws machined for smooth parallel fit. Form precise folds and seams. Strong, lasting drop-forged steel construction. No. 44 has plain 3 1/2" wide blades. No. 44r is similar with a radius to prevent tearing of aluminum and other light metals. No. 793 has a 3 1/2" wide blade with adjustable depth gauge.
P/N 12-00620 .................. $54.85

HAND SEAMER TP44
- Wide, deep jaws machined for smooth parallel fit
- Forms precise folds and seams
- 1" deep x 3-1/2" wide throat
P/N 44R.......................... $21.75

ROPER-WHITNEY METAL CRIMPER
Handy crimping tool to disperse excess metal. Depth of throat 1-1/8". Overall length 9". Wt. 1 lb.
P/N 111.......................... $79.95

ROPER-WHITNEY NOTCHER
P/N 141.......................... $86.75

FLUTING PLIERS
These aircraft-type fluting pliers are a drop-forged quality tool. Non-marring working surfaces of jaws specifically designed for use on aircraft components. Comfort grip handles.
P/N 12-00500................... $15.75

HOLE FLANKING TOOL
P/N 12-00600................. $18.65

MIGHTY ROD SHEET METAL BENDER
Designed to bend solid round, square and flat alloys into nearly any shape and angle. FEATURES:
- Works on solid materials up to 3/8" diameter.
- Coils and bends wires of many sizes.
- Includes dies for 1/2", 3/4", 1", 1 1/2" diameter bends.
- Constructed of 3" x 3" aluminum base 1" thick with a 12" handle 7/8" in diameter.
Made in the USA. 1 year Replacement Warranty.
P/N 12-00934 ................. $31.75

JUMBO ROD SHEET METAL BENDER
Constructed of 4" x 6" aluminum base 1" thick with a 16" handle 7/8" diameter. Bends solid round, square and flat iron. FEATURES:
- Works on solid materials of up to 3/8" round and square (1/2" wide flat).
- Coils and bends wire of many sizes.
- Bends metal to any shape and degree of angle.
- Installs on any vise. Ideal for hobbyists, prototype shops and do-it-yourselfers. Made in the USA.
P/N 12-00935 ................. $54.75

ROPER-WHITNEY METAL PUNCH
P/N 12-01600 .................... $89.90

BENCH MOUNT BASE – for stationary use. Base swivels to any position. Punch is held by L-shaped clamp rod through a 7/16" or larger hole in bench.
P/N 12-01700 .................... $34.75

STRAIGHT PUNCH & DIE SETS – for No. 5 Jr. punch in the seven sizes shown below.

<table>
<thead>
<tr>
<th>Size</th>
<th>P/N</th>
<th>Price</th>
</tr>
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<tbody>
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<td>3/32&quot;</td>
<td>#12-01800</td>
<td>$71.65</td>
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<tr>
<td>1/8&quot;</td>
<td>#12-01900</td>
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<tr>
<td>3/16&quot;</td>
<td>#12-02100</td>
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</tbody>
</table>

COMBINATION PUNCH & DIMPING DIE SETS
- For #5 Jr. punch. Punch and dimple in one operation. 3/32, 1/8 or 5/32" 100° punch & dimpling die sets.

<table>
<thead>
<tr>
<th>Size</th>
<th>P/N</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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<tr>
<td>5/32&quot;</td>
<td>#12-02700</td>
<td>$61.25</td>
</tr>
</tbody>
</table>

ECONOMY MODEL BENDING BRAKE
For bending and forming. Makes clean, smooth bends and forms up to 90° in metals. 18" & 30" handle up to 16GA aluminum. 40" handles is up to 20GA sheet metal, 16GA aluminum. All include brake bars. Clamps not included. Made in USA.

- Up to 18" width stock P/N 12-02800 .................. $39.75
- Up to 30" width stock P/N 12-02810 .................. $99.50

HEAVY DUTY BENCH BRAKE
This small, compact brake is excellent for all tough fabrication and repair jobs. The radiused dies make it possible to form those difficult materials such as 2024T3, 4130, and stainless without fear of cracks. Features solid steel bar construction, heavy duty clevis hinges, and portable bench mounting. Includes 2 sets of assorted width reversible dies with 1/16", 1/8", and 3/16" radii, plus complete instructions. Ideal for machine shops, aircraft, race car, boat builders, avionics installers, & auto repair shops.
P/N 12-02850 .................. $1,471.00

ORIGINAL LANCASTER PORTO-METAL FORMER
The Porto-Metal Former makes the specialty angle needed in minutes. Can be used on the work bench or in a vise to make inside angles, outside angles, straight bends - even circles, to a radius as small as 3". Jaws are made of hardened alloy steel. Works on 18 gauge soft steel, 20 gauge stainless, 16 gauge aluminum up to 2" in width. 45 to 1 leverage for powerful press. Special malleable iron body will not break as we have found with cheaper imitations. Order #LSH-71 metal shrinker for inside angles. Order #LST-82 stretcher for outside angles. Wt. 12 lbs.

- #LSH-71 Shrinker P/N 12-19800 .................. $194.85
- #LST-82 Stretcher P/N 12-19900 .................. $183.75
- Combination Shrinker/Stretcher Tool P/N 12-02950 .................. $257.95

Either unit can be converted into its opposite by ordering complete conversion kit, includes jaws, blocks & wire.