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All claims must be made within 7 days

All claims must be made within 7 days of receipt of goods.

Freight

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All special orders may require prepayment.

Currency

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US Air Tool Company (also known as USATCO) has been a family owned and operated business since 1951. We are now a US manufacturer and worldwide distributor of high quality tools for the aviation industry with offices in New York & California. In addition, from the beginning of the homebuilder era in the 1970's, USATCO has been providing tools and equipment to craftsmen around the world who build and fly their own aircraft. These "sheet-metal artists" are now flying thousands of planes built and maintained with USATCO tools.

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Don't forget to check out USATCO Online, with monthly sales, homebuilder specials, surplus items & an easy to use interface its a great place to shop for tools on the web. www.USATCO.com

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USATCO Tool Repair

We repair all major brand pneumatic tools on our premises. We are an official repair station for Cherry Textron®, Chicago Pneumatic®, and Cooper® Power Tools (including Dotco®, Gardener Denver®, Buckeye® and Doler®). In addition, we have our own manufacturing and modification facilities. We are riveting and product assembly specialists!

We will be happy to examine your tools free of charge and give you an estimate of repair cost. Ship prepaid to any of our facilities. Please send tensiometers to our New York Lab only.

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Limited Warranty

If for any reason you are not completely satisfied with any item purchased from us you may request a return authorization within seven (7) days of receipt of goods. When obtained, send us the item (transportation prepaid) for replacement, repair or refund. Tools manufactured by USATCO are warrantied for one (1) year from date of purchase. We cannot assume liability for abuse, misuse or alteration of goods. Any tampering with tools or attempted repairs of same will nullify this warranty. Warranties from other manufacturers available upon request.

USATCO Safety Wire Twister Kit



6" & 9" Safety Wire Twisters (04-134SR6 & 04-134SR), Three 1 lb Spools Of Safety Wire (.025", .032" & .041") & Plastic Kit Box

Part Number	Description
53-134	Complete 6 PC Kit

Milbar® Safety Wire Twister Kits



Pro Kit:

Three Wire Twisters (9" Auto, 6" Mini & 19" Deep Reach), Three 1/4 lb. Spools Of Safety Wire (.020", .032" & .040") & Kit Box

Limited Access Kit:

Two Wire Twisters (6" Mini & 19" Deep Reach), Three 1/4 lb. Spools Of Safety Wire (.020", .032" & .040") & Kit Box

Part Number	Description	Weight
04-105W	Pro Kit	4 lbs (1.8 kgs)
04-109W Limited Access Kit		2.75 lbs (1.3 kgs)

Milbar® Auto Return Safety Wire Twisters



- · High carbon alloy steel forgings.
- · Spring return feature for quick & easy production use.
- Cushioned throat model catches clipped ends to prevent F.O.D.

Part Number	Nose Style	Overall Length
04-11WS	Diagonal	6" (152 mm)
04-1W393 Diagonal		9" (229 mm)
04-3W6	Cushion Throat	9" (229 mm)
04-5W4	Left Hand Twist	9" (229 mm)

Milbar® Tigerwave Rev. Safety Wire Twister

Narrow Head For Tight Spaces



- · Reversible with improved, smooth operating shift mechanism.
- · Patented "One-Click" technology for easy opening and closing.
- · Precision machined from high grade 4140 tool steel.
- · Wave jaw holds work securely, eliminates wire damage.
- · Heat and chemical resistant Viton® cushion throat traps wire cutoffs for no F.O.D. damage.

Part Number	Nose Style	Capacity	Overall Length
04-7W	Diagonal	0.041"	6" (152 mm)

Milbar® Rev. Auto Return Safety Wire Twisters



· Patented reversible twist action. · Quick acting reversible sleeve.

Aerospace Standard AS567

· Spring return twist rod & sure grip clutch action knob.

Part Number	Wire Capacity	Overall Length	
04-45W	.041"	6" (152 mm)	
04-41W	.060"	9" (229 mm)	
04-42W	.060"	12" (305 mm)	

CABLE, WIRE & TUBING TOOLS

Milbar® Manual Return Safety Wire Twisters



- · High carbon alloy steel forgings.
- Full performance at an economical price for occasional use.

Part Number	Nose Style	Overall Length
04-11W	Diagonal	6" (152 mm)

Economy Auto Return Safety Wire Twisters



• For use on wire up to .060" diameter. • Fast spiral action.

Part Number	Nose Style	Overall Length
04-134SR6	Tapered 6" (152 mm)	
04-134SR	Tapered	9" (229 mm)

Milbar® Deep Reach Wire Twister



- · Provides access to deep safety wiring jobs.
- · Twister mechanism with two extensions attached.

Part Number	Overall Length
04-134	19" (48.3 cm)

Safety Wire Jigs





Nut Jig

Drill nut & bolt heads up to 3/4" diameter.



Drill Jig

• Drill holes in bolt sizes 8-32, 10-32, 1/4"-20, 1/4"-28 & 5/16"-24 accurately and without breakage.

Part Number	Description	
04-70136	Nut Jig	
04-70132	Drill Jig	
53-701326	Special: Both Jigs	

Stainless Steel Aircraft Safety Wire

- Conforms to gov. spec QQW423, Milspec MS-20995-C.
- · Convenient 1 lb. center core top dispensers.

Part Number	Diameter	Length
43-020	.020"	937'
43-025	.025"	599'
43-032	.032"	366'
43-041	.041"	223'



Note: 1/4 lb spools and other diameters available, please inquire.

Bessey® Cable Cutter

Stainless Steel Blade

For multi-core cable with diameters up to 1/3" (8.4 mm).



Part Number	Capacity	Overall Length	Weight
D49-BE	3/8"	6-1/2" (165 mm)	4 oz (113 g)

Cable Cutters



Part Number	Cable Capacity	Overall Length	Weight
04-316	3/16"	8" (203 mm)	0.6 lbs (0.3 kgs)
04-1490	1/4"	13" (330 mm)	1.5 lbs (0.7 kgs)

Swage-It Rigging Kit



Includes:

Swage-It (04-2), 1/2" Extension Wench, Cable Cutter (04-316), Sleeves: (10) 1/16" Oval & (5) 1/8" Oval, & Folding Vinyl Pouch

Part Number	Capacity
04-4	1/16", 3/32" & 1/8" Ovals & Stops

Swage-It Tools



Will Swage:

04-2: 1/16", 3/32" & 1/8" **04-3**: 1/8", 5/32", 3/16" & 1/4"

Part Number	Overall Length	Weight
04-2	7" (178 mm)	0.5 lbs (0.2 kgs)
04-3	14" (356 mm)	3 lbs (1.4 kgs)

Part Number	Description
53-2-3	Special: Both Tools

Single Hole Swaging Tools



Part Number	Will Swage	Overall Length	Weight
04-5321	3/64"	8" (203 mm)	0.5 lbs (0.2 kgs)
04-232	1/16"	8" (203 mm)	0.5 lbs (0.2 kgs)

3-Cavity Swaging Tool



Part Number	Туре	Overall Length	Weight
P-22-234	Hand Held	15" (38 cm)	2.5 lbs (1.1 kgs)

5-Cavity Swaging Tools



Will Swage:

Ovals: 1/16", 3/32", 1/8", 5/32" & 3/16"

Stops: 1/16", 3/32", 1/8", 5/32", 3/16" & 7/32"

Part Number	Туре	Overall Length	Weight
04-2632H	Hand Held	26-1/2" (67 cm)	6 lbs (2.7 kgs)
04-2632B	Bench Mounted	16" (41 cm)	5 lbs (2.3 kgs)

Locoloc® Hand Swager Kit



- · Gauge supplied with each interchangeable die.
- Dies are 1 lb. each & come with steel carrying case.
- Will swage 1/4", 9/32", 5/16", 3/8", 7/16" & 1/2" ovals.

Part Number	Swager Overall Length	Swager Weight
3-K	24" (61 cm)	15 lbs (6.8 kgs)

Locoloc® Sleeve Gauges (Go/NoGo)



Part Number	Sleeve Sizes
GA-1P	1/32", 3/64", 1/16", 3/32", 1/8", 5/32" & 3/16"
GA-2P	7/32", 1/4", 9/32" & 5/16"
GA-3P	3/8", 7/16" & 1/2"

Turnbuckle Wrench Cable Rigging Tool



- · Allows free adjustment of the turnbuckle.
- · Accommodates all sizes of aircraft cable.
- Consists of two clamps joined by 12" of sprocket type chain.

Part Number	Description
70452	Cable Rigging Tool

Ratchet Terminal Crimper



Crimps insulated terminals, ensures a perfect swage every time.

Part Number	Capacity
18900	10 to 22 gauge

04-2632H

Portable Pneumatic Cable Terminal Swager Kit



- · All swaging & cutting dies of hardened, heat treated steel.
- Dies clearly marked for type & size swaged terminal or cable cut.
- · Yoke assembly easily accessible for quick changing of dies.
- · Meets government specification GGG-S-00825A (GSA-FSS).
- · Includes heavy-duty steel carrying case.

Includes:

Cylinder & Yoke Assembly, 27 Dies, Air Hose Assembly, Single Action Foot Control Valve Assembly With Lubricator & Air Filter, Baseplate, Hand Cable Cutters, Turnbuckle Wrench, Gauges & Instruction Manual

Part Number	Description	Weight
520JK	Complete Kit	105 lbs (48 kgs)
39-520JK	Rebuilt Kit*	105 lbs (48 kgs)
520J	Swager Only	19 lbs (8.6 kgs)

^{*} Rebuilt kits subject to availability.

Portable Manual Cable Swager Kit



Portable Manual Swager, Dies (rolls): 5 Straight Shank Sets (1/16" - 3/16"), 3 Ball Terminal Sets (1/16' - 1/8") & Gauges

Part Number	Description	Weight
04-1K630	Complete Kit	64 lbs (29 kgs)

Portable Pneu. Swaged Terminal Pull Tester Kit



- Can pull test all types and sizes of terminals to 1/4" diameter.
- · Lightweight & compact, requires no experience to use.
- · Includes heavy-duty steel carrying case.

Includes:

Pull Tester, Terminal Adapters: AN667 (5/32" - 1/4"), AN663/664 (1/16" - 3/16"), AN666/669 Right Thread (1/16" - 7/32"), AN666/669 Left Thread (1/16" - 1/4"), AN667/668 (3/16" - 3/8") Terminal Pins, Jaws (1/16" - 1/4" cables)

Part Number	Description	Weight
520CTK	Complete Kit	70 lbs (32 kgs)
39-520CTK	Rebuilt Kit*	70 lbs (32 kgs)

^{*} Rebuilt kits subject to availability.

Bench Mount Manual Swaging Machine Kit



Swager With Bench Mount, Dies (rolls): 10 Straight Shank Sets (1/16" - 3/8") & 7 Ball Terminal Sets (1/16' - 1/4"), Straight Shank Die Auxiliary Adapter, Appropriate Gauges, Spring Clip & Adjustable Stop Guide Assemblies

Part Number	Description	Weight
04-2K630	Complete Kit	300 lbs (136 kgs)

Hydraulic Swager With Enerpac®



- Swages by applying a designated number of pressure increments while rotating the cable terminal assembly.
- Included adapter accepts standard AT520 family of swaging dies (included with 520JK shown on previous page*).

Note: Unit requires 100-120 psi. * Dies also available separately, please inq.

Part Number	Weight
520H	90 lbs (40.8 kgs)

Hydraulic Pull Tester Kit



Provides pull-test for all swaged terminals listed in this section.

Part Number	Weight
520HTK	40 lbs (18.1 kgs)

Pull Tester Calibration Kit



- Includes adapters required to certify 520CTK (previous page).
- A quality assurance tool recognized by the Boeing company.
- · Eliminates costly outside calibration services.

NSN #4920-00-949-9409

Part Number	Weight
520CGC	3 lbs (1.4 kgs)

Pneumatic Stationary Cable Swager

Swage Over 90% Of Aircraft Type Terminals

- Unit can swage ball terminals AN633 to -6 (3/16") & sleeve terminals to -8 (1/4").
- Features a heavy-duty yoke with shock absorber.
- Automatic swaging time controls,
 2-stage foot switch.
- Die racks built into sides of unit, includes air filter & lubricator.



Part Number	Dimensions	Weight
520D	12"D x 24"W x 58"H	400 lbs (181 kgs)

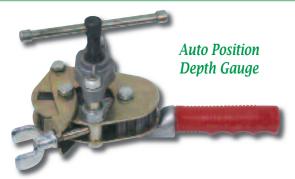
Swaged Terminal Gauge



Multiple gauges designed to check all swaged terminals within range of 520JK swager (shown on previous page).

Part Number	Description
520SG	Swaged Terminal Gauge

Rolo-Flair® 37° Rotary Flaring Tool



Flares:

Copper & Aluminum Alloys: 1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" O.D.

Part Number	Weight
212-FB	3 lbs (1.4 kgs)

USATCO 37° Single & Double Lap Flaring Tool Kit



New Foam Fitted Case Helps Prevent F.O.D.

- · Portable or vise mounted, sliding handle for maximum leverage.
- · Adapters revolve for quick size change.
- Unit can also flare single 37° S.A.E. standard & oversize.

Flares:

Soft copper & aluminum to AN standards: 3/16", 1/4", 5/16", 3/8" & 1/2" O.D.

Flaring Tool Kit:

Flaring Tool (04-256-F), Inner-Outer Reamer (02-208-F), Tubing Cutter (02-512), Four Protrusion Gauges with Case, Instructions & Foam Fitted Carrying Case

Part Number	Description	
53-256-FK	Complete 9 PC Kit	
04-256-F	Flaring Tool, Gauges & Case Only	

Rol-Air 37° Flaring Tool

- · Faceted, hard chrome finish cone for perfect scoreless flares.
- · Slip on yoke permits use in tight quarters.

Flares:

Soft Copper, Alum. & Brass: 3/16", 1/4", 5/16", 3/8", 1/2" & 5/8" O.D.



Part Number	Weight
04-507-FB	2.5 lbs (1.1 kgs)

37° Flaring Tools



- Forms 37° tubing flares to government specifications.
- · Positive stop gauge assures correct size of flare.
- · Special burnishing action polishes flare face.
- · Roller action cuts effort required & maintains original wall thickness which eliminates stress concentration.

Standard Model Flares:

Steel, Stainless Steel (including MIL-T-6845), Titanium & Other Metal Tubing: 3/16", 1/4", 5/16", 3/8", 1/2" & 5/8" O.D.

Part Number	Model	Weight
04-400-F	Standard	2.5 lbs (1.1 kgs)

Heavy-Duty Model Flares:

Annealed Stainless (MIL-T-6345 or AMS5566), Cold Drawn Stainless Steel, Annealed Copper & Aluminum Tubing: 1/8", 3/16", 1/4", 5/16", 3/8" & 1/2" O.D.

Part Number	Model	Weight
04-447-F	Heavy-Duty	3.25 lbs (1.5 kgs)



Large Size Model Flares:

Soft Steel, Copper, Aluminum & Annealed Stainless Steel: 04-537-F: 3/4", 7/8", 1" & 1-1/4" O.D.

04-637-F: 1-1/4", 1-1/2" & 2" O.D.

Part Number	Model	Weight
04-537-F	Large Size	13 lbs (5.9 kgs)
04-637-F	Large Size	13 lbs (5.9 kgs)

Pro Tube Beading Kit



- Makes perfect, mar-free beads in aluminum, copper, brass & mild steel tubes ranging from 1/4" to 1" diameter.
- Simple, reliable tools with ground, hardened & polished surfaces & high-polymer gripping jaws - lifetime guarantee.
- Meets MILSPEC MS33660D & SAE AS5131 standards.

Part Number	Description	Weight
70821	12 PC Kit	7 lbs (3.2 kgs)

Compact Tube Cutter

- Enclosed feed requires only 1-1/4" clearance.
- Replaceable hardened steel cutter wheel with two friction reducing steel rollers.



Part Number	Capacity	Weight
02-123R	1/8" to 5/8" O.D.	3 ozs (85 g)

Heavy-Duty Industrial Tube Cutter



Part Number	Capacity	Weight
02-512	1/8" to 1-1/8" O.D.	6.5 ozs (184 g)

Rapid Action Ratchet Tube Wrenches

Heavy-Duty Construction



- Unique open jaw design speeds installation of tube fittings & valves, hex nuts, bolts & fasteners in hard to reach areas.
- 12-point contact distributes torque pressure evenly In hex flats.
- · Hardened steel jaws & heavy gauge alloy steel handles.

Part Number	Hex OD Size	Overall Length
195-05	5/16"	5-1/2" (140 mm)
195-06	3/8"	5-1/2" (140 mm)
195-07	7/16"	5-3/8" (137 mm)
195-08	1/2"	5-1/2" (140 mm)
195-09	9/16"	5-1/2" (140 mm)
195-10	5/8"	7-5/32" (182 mm)
195-11	11/16"	7-1/4" (184 mm)
195-12	3/4"	7-5/16" (186 mm)
195-13	13/16"	9-1/8" (232 mm)
195-14	7/8"	9-3/32" (231 mm)
195-15	15/16"	9-1/4" (235 mm)
195-16	1"	9-9/32" (236 mm)



7 PC Wrench Kit With Carrying Pouch	
Part Number	Sizes Included
195-7STDS	3/8", 7/16", 1/2", 9/16", 5/8", 11/16" & 3/4"

Lever Type Tube Benders



- · Each tool bends one size, no scoring or flattening of tubing.
- · Open side design slips over tube at any point.
- · Calibrated markings with up to 180° bend.
- · Wide hook grips tubing securely for smooth & tight radius bends.

Part Number	Tube O.D.	Radius To Center Of Tube	Weight
04-364-02	1/8"	3/8"	0.5 lbs (0.2 kgs)
04-364-03	3/16"	7/16"	0.5 lbs (0.2 kgs)
04-364-04	1/4"	9/16"	1 lbs (0.5 kgs)
04-364-05	5/16"	11/16"	1 lbs (0.5 kgs)
04-364-06	3/8"	15/16"	1.75 lbs (0.8 kgs)
04-364-08	1/2"	1-1/2"	3.5 lbs (1.6 kgs)
04-364-10*	5/8"	2-1/4"	5.5 lbs (2.5 kgs)
04-364-12*	3/4"	3"	7 lbs (3.2 kgs)
04-364-14*	7/8"	3"	10.5 lbs (4.8 kgs)
04-364-16*	1"	3-1/2"	10.5 lbs (4.8 kgs)

^{*} For annealed copper & aluminum tubing only.

180° Triple Header Tube Benders



- · For soft copper, aluminum & thin wall steel tubing.
- Make smooth, tight radius bends up to 180°.
- Calibrated markings for accurate left, right & offset bends.

Part Number	Radius To Center Of Tube	Capacity
370-FH	Varies*	1/4", 3/8 & 1/2" O.D.

* Radius to center: 11/16" (1/4"), 1-1/8" (3/8"), 1-1/2" (1/2").

Part Number	Radius To Center Of Tube	Capacity	
470-FH	Varies**	3/16", 1/4", 5/16 & 3/8" O.D.	

^{**} Radius to center: 7/16" (3/16"), 9/16" (1/4"), 11/16" (5/16"), 15/16" (3/8").

90° Triple Header Tube Benders

Fast & Easy

- Make up to 90° bends.
- For soft copper, aluminum & thin wall steel tubing.
- Calibrated markings for making accurate left, right or offset bends.
- 90° starting point requires less effort.



Part Number	Radius To Center Of Tube	Capacity
04-367-FH	9/16"	1/8", 3/16" & 1/4" O.D.
04-368-FH	15/16"	1/4", 5/16" & 3/8" O.D.

Worm-Gear Tube Bender Kit



- · Precision tool for the highest quality work.
- For aircraft grade stainless (MIL-T-6845) and other metal tubing.
- Unit has 50-1 ratio worm-gear & crank with revolving hand grip.
- Follow bar eliminates drawing action & helps keep tube in virtually perfect round.
- · Conforms to federal spec. GGG-B-191b, Type I, Class 2.
- · Also meets ANSI spec. B31.1 & ASME Section III Nuclear code.

Included Capacity		
Tube O.D.	Tube Wall Thickness	Radius To Center Of Tube
1/4"	.016" to .049"	3/4"
5/16"	.020" to .065"	1"
3/8"	.028" to .083"	1-1/4"
1/2"	.035" to .083"	2"
5/8"	.042" to .083"	2-1/2"
3/4"	.049" to .083"	3"

Part Number	Weight
04-600-F	35 lbs (16 kgs)

Inner-Outer Reamers

Standard Model:

Alum. & Soft Metal: 3/16" to 1-1/2" O.D.

Heavy-Duty Model:

Stainless Steel, Copper, Brass & Other Metals: 3/16" to 1-1/2" O.D.

02-208-F

Reams tube edges with three hollow ground tool steel cutters.

Part Number	Model	Weight
02-208-F	Standard	0.6 lbs (0.3 kgs)
02-208-FSS	Heavy-Duty	0.6 lbs (0.3 kgs)

Varitemp® Heat Guns



- Delivers a lockable, variable temp. from ambient up to 1000°F.
- Adj. rubber backed base permits 90° rotation for benchtop use.

Part Number	Temp. Range	Power	Weight
VT750C	Ambient to 1000°F (540°C)	120V - 60Hz 14.5A - 1740W	3.7 lbs (1.7 kgs)
VT752C	Ambient to 750°F (400°C)	220V - 50Hz 7A - 1680W	3.7 lbs (1.7 kgs)

Note: Air flow 23CFM @ 3000 FPM. Includes six foot, 3 wire grounded cordset.

Master Heat Guns



- Delivers a forced blow up to 750°F with no danger of open flame.
- Adj. rubber backed base permits 90° rotation for benchtop use.

Part Number	Temp. Range	Power	Weight
HG501A	500° to 750°F	120V - 60Hz	3.7 lbs
	(260° to 400°C)	14A - 1680W	(1.7 kgs)
HG502A	500° to 750°F	220V - 50Hz	3.7 lbs
	(260° to 400°C)	7A - 1680W	(1.7 kgs)

Note: Air flow 23CFM @ 3000 FPM. Includes six foot, 3 wire grounded cordset.

Master Heat Gun Kit



- Case protects heat gun & provides ample attachment storage.
- · Many other attachments available, please inquire.

Master Heat Gun Kit:

HG501A Master Heat Gun (shown above), Shrink Attachment (for tubing up to 3/4" O.D.), 2-1/4" Spreader Attachment, 7/8" Reducer Attachment & Carrying Case

Part Number	Weight
HG501AK	10 lbs (4.5 kgs)

Proheat Varitemp® Heat Guns

Compact & Lightweight



- Preselect and maintain any temperature from 130° to 1000°F (50° to 540°C).
- · Patented electronic temperature controls.
- Ergonomically designed housing with built-in stand for hands-free use.
- · Protective hand/switch guard and hanging loop.

Part No.	Power	Weight
PH1200	120V, 60Hz, 11A, 1300W	
PH2200A1	230V, 50/60Hz, 6.2A, 1426W (European plug)	1.6 lbs (0.7 kgs)
PH2200A6	230V, 50/60Hz, 6.2A, 1426W (UK plug)	(3 - 7

Note: Air flow 16CFM @ 4000 FPM. Includes six foot, 3 wire grounded cordset.

NEW Varitemp Heat Gun Kits

- · Quality attachments made of heavy-duty cold rolled steel.
- · Includes protective fitted tool case, made in the USA.

Includes:

Heat Gun (model choices below), 3" Spreader Attachment, 1-3/8" Shrink Tubing Attachment, 1/2" Specialty Connector, 5/16" & 9/16" Reducer Attachments & Carrying Case

Part Number	Gun Included	Weight
PH1200K	PH1200	
PH2200K-A1	PH2200 (European plug)	7.0 lbs (3.2 kgs)
PH2200K-A6	PH2200 (UK plug)	