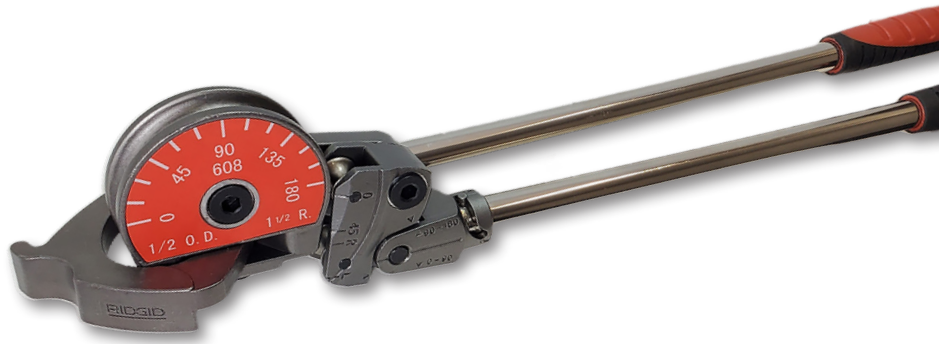


SSP



Tools and Accessories



Tools

Indexing Handle Tube Benders

Tube Cutter

Benchtop Coiled Tube Straightener

Ratchet Wrenches

Liquid Leak Detector

Hydraulic and Manual Preswaging Tools

www.mySSP.com





At SSP, we are proud to be an American manufacturing success story.

100% of our products are made in America. All of our manufacturing is performed in our 165,000 sq. ft. facility located near Cleveland, Ohio. Our facility is the largest vertically integrated, single-site operation in the industry. In addition to manufacturing and assembly, we have closed die forging, tool & die design, product engineering and testing operations under the same roof with customer service and management.

Made in America is good business. Not only do we make everything in America, we use American suppliers too. Buying American allows us to have better quality control and a more reliable supply chain. We can work more closely within our walls and with our suppliers to improve quality, reduce costs, and shorten lead times, which means faster service and better products for you.

Support where it counts. SSP products and services are supported by more than 4000 people and distributor locations around the globe. For a distributor near you, contact SSP Customer Service or visit www.mySSP.com/distributors.

SSP *Industry Standard Products*
Made Better

TRUE TO YOUR WORK

Hardworking, pro-grade hand tools that are engineered and built for the way you work.

We know that working with high-quality tools is the first step to achieving superb results. With our tools you'll get the job done right the first time.

YOU CAN COUNT ON OUR LIFETIME WARRANTY

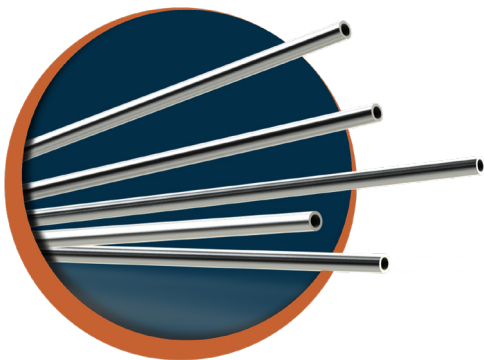
All tools are backed by the SSP Lifetime Warranty – more importantly, they're backed with a commitment to your success as an installer through in person and online training.

QUESTIONS ANSWERED

Each hand tool comes with support from the SSP family of our distribution partners.

For product how-to information or a free demonstration, contact an SSP Customer Service Representative at +1.330.425.4250.

OUR FORMULA FOR A LEAK-FREE CONNECTION



SPECIFICATION CONTROLLED TUBING

- Highest quality from dual certified 316/316L American made tubing
- Better assembly reliability through restricted tolerance control of hardness and outer diameter
- Contaminant-free and fully protected with end-caps
- Safety ensured by MAWP printed on each tube



PRECISION MACHINED FITTINGS

- Confidence from manufacturer's Lifetime Warranty
- Contaminant-free installation with individually bagged fitting
- Positive identification of proper sizing from tube end marking
- Reduced installer fatigue and improved consistency through lowest assembly torque in industry
- Superior corrosion resistance through EXPANITE® component hardening



PROPERLY TRAINED INSTALLER

- Training classes – facilitator and participant guides
- Installation cards inside packaging
- TurnPro innovative tools



Safety Training

The Right Way

Tube Bending Safety Training

SSP and our distributors offer hands-on training for selecting, planning, laying out, bending and installing tubing systems.

Our Tube Bending Training is a hands-on program designed for technicians and production personnel. It's a great program for anyone who needs to learn the correct way to plan, layout and bend tubing.

Learn how to properly:

- Select and handle tubing
- Prepare tubing for bending and installation
- Measure and layout tube bending projects
- Make bends up to 90°
- Use the indexing handle to make bends greater 90°
- Make left- and right-reference bends
- Make on-plane and multi-plane bends
- Layout and Install tubing runs for safety and easy maintenance



Working Smart

Safe Tube Fitting Installation Training

SSP and our distributors offer Selection and Installation Training for a variety of fittings.

Upon completion of this training, participants will be able to properly:

- Identify a variety of tube and pipe fittings
- Select and prepare tubing
- Install tube and pipe fittings
- Remake fittings when applicable
- Gauge, test and troubleshoot fitting applications
- Use preswaging tools to make tube fitting installation safer and easier
- Use liquid leak detector to find leaks

For more information on training, or to schedule training, please contact our team

marketing@mySSP.com

+1.330.425.4250



Indexing Handle Tube Bender

Indexing Handle Tube Benders perform bends up to 180° in a single operation. A patented quick-release lock/unlock allows users to reposition handles as they come together, eliminating crossed handles and making bends greater than 90° faster and easier.

Benefits

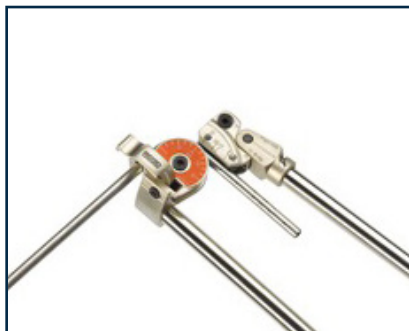
- Bend greater than 90° in a single operation
- No scoring of tubing

Features

- Eliminate crossed handles
- Comfortable grip
- Rollers in handle reduce friction and bending effort
- Suitable for stainless steel, alloys and other hardened tubing
- Suitable for high-cycle tube bending
- No disassembly and reassembly of bender handles
- Quick-release allows quick indexing of the handle



Part #	Description
TP-HTB-4	1/4" Bender
TP-HTB-6	3/8" Bender
TP-HTB-8	1/2" Bender
TP-HTB-6M	6MM Bender
TP-HTB-8M	8MM Bender
TP-HTB-10M	10MM Bender
TP-HTB-12M	12MM Bender



Tube Cutter

The Tube Cutter is a durable, compact tool that delivers fast, smooth cutting, of stainless steel, nickel alloy, titanium and other hard metal from 1/4 to 1-3/8in (6mm to 35mm)

Features

- Rugged body for stability and durability
- Contoured frame for easy alignment
- 6 Unique anti-spiral bearing rollers
- Ergonomic Knob
- Long-lasting hardened cutting wheel for stainless steel and hard alloys
- Spare Cutting wheel included

Benefits

- Smooth, precise, spiral-free tube cutting
- Compact swing radius
- Trouble-free, high-cycle operation
- Easy maintenance



Part #	Description
TP-TC-316	Tube cutter for stainless steel, Hard Alloys, soft copper, and aluminum 1/4 to 1-3/8in (6mm to 35mm)
TP-TCW-316	Tube cutter replacement cutting wheel 2 Pack

Reaming & Deburring Tool

Deburring is necessary to ensure proper tube fitting installation. The Inner-Outer Reaming and Deburring Tool provides a fast tube end preparation prior to tube fitting installation.

Benefits

- Ream and deburr inside and outside of tube ends
- Durable body
- Comfortable grip
- Clockwise and counterclockwise operation

Features

- Three hollow-ground cutters
- Tough die-cast body
- Tungsten-hardened steel blades



Part #	Description
TP-TDT-24	Tube deburring tool, 3/16" to 1-1/2" and 4mm to 38mm OD

Ratchet Wrenches

Ratchet Wrenches speed installation of tube fittings and valves, hex nuts, bolts and other fasteners. The open-jaw design and 30° ratchet action make it easy to grip and tighten fittings and fasteners, even in tight spaces.



Benefits

- Heavy-duty construction for long service life
- No warping or distorting of fittings or fasteners
- Ratchet indexes in 1/12-turn increments, making working in restricted spaces easier

Features

- Hardened steel jaws
- Heavy gauge alloy steel handles
- Open-jaw design
- 12-point contact distributes torque pressures evenly

Part #	Description	Part #	Description
TP-RW-04	1/4" Tube Fitting Wrench, 9/16" Hex	TP-RW-M3	3MM Tube Fitting Wrench, 12MM Hex
TP-RW-05	5/16" Tube Fitting Wrench, 5/8" Hex	TP-RW-M6	6MM Tube Fitting Wrench, 14MM Hex
TP-RW-06	3/8" Tube Fitting Wrench, 11/16" Hex	TP-RW-M8	8MM Tube Fitting Wrench, 16MM Hex
TP-RW-08	1/2" Tube Fitting Wrench, 7/8" Hex	TP-RW-M10	10MM Tube Fitting Wrench, 22MM Hex
TP-RW-10	5/8" Tube Fitting Wrench, 1" Hex		

TurnPro™ Preswaging Tool for Instrumentation Tube Fittings

TurnPro Preswaging Tools allow in-field swaging of tube fitting ferrules to tube prior to assembly in the tube fitting. Preswaging is used in challenging installations where tube fittings are difficult-to-reach or in confined spaces. Also great for OEM applications.



Features

- Compact size fits in a toolbox
- Durable solid steel body with vise flats
- Hardened steel insert for accurate swaging over one hundred of installations
- Attached cap protects threads from damage

Part #	Description	Part #	Description
TP-MPT-2	Manual pre-swage tool 1/8"	TP-MPT-M6	Manual pre-swage tool 6mm
TP-MPT-4	Manual pre-swage tool 1/4"	TP-MPT-M8	Manual pre-swage tool 8mm
TP-MPT-6	Manual pre-swage tool 3/8"	TP-MPT-M10	Manual pre-swage tool 10mm
TP-MPT-8	Manual pre-swage tool 1/2"	TP-MPT-M12	Manual pre-swage tool 12mm
TP-MPT-12	Manual pre-swage tool 3/4"		
TP-MPT-16	Manual pre-swage tool 1"		

Tube Fitter's Bag

SSP Part #: TP-TFB1

The SSP Tube Fitter's Bag has all the tools needed to bend, cut, fit, and gage tubing systems up to 1/2 in.

Features

- 25 High Quality tools and accessories
- 14 pockets to organize tools
- Padded shoulder strap
- Bag made from ballistic material for maximum durability
- Internal divider adjusts to keep tools secure and organized
- Limited Lifetime Warranty



SSP Tube Fitters Bag Contents					
Part Number	Description	Part Number	Description	Part Number	Description
TP-HTB-4	1/4 in. tube bender, 9/16 in. radius	TP-DMT-4	1/4 in. depth marking tool	TP-MPT-6	3/8 in. manual presetting tool
TP-HTB-6	3/8 in. tube benders, 15/16 in. radius	TP-DMT-6	3/8 in. depth marking tool	TP-MPT-8	1/2 in. manual presetting tool
TP-HTB-8	1/2 in. tube bender, 1 1/2 in. radius	TP-DMT-8	1/2 in. depth marking tool	TP-GG-468M10	Gap Gage 1/4 to 1/2 in. 6mm to 12mm
TP-TC-316	1/4 to 1-3/8 in. (6mm to 35mm) SS tube cutter	TP-TFB-E	24 in. Tool Bag	TP-DTD-24	Reaming and Deburring Tool
TP-TCW-316	Tube cutter w/ 2 replacement wheels	TP-PTFET-4	PTFE Tape 1/4 in.	SSPDIPG	Duolok Installer Pocket Guide
TP-RW-04	9/16 in. hex ratchet wrench	TP-PTFET-8	PTFE Tape 1/2 in.	SSPTBPG	SSP Tube Bender's Guide
TP-RW-05	5/8 in. hex ratchet wrench	TP-VNCT-8	Nickel PTFE Tape 1/2 in.	ILBTM	SSP Retractable Marking Pen
TP-RW-06	11/16 in. hex ratchet wrench	TP-MPT-2	1/8 in. manual presetting tool		
TP-RW-08	7/8 in. hex ratchet wrench	TP-MPT-4	1/4 in. manual presetting tool		

TurnPro™ Hydraulic Swaging Tool

SSP Part #: TP-HST

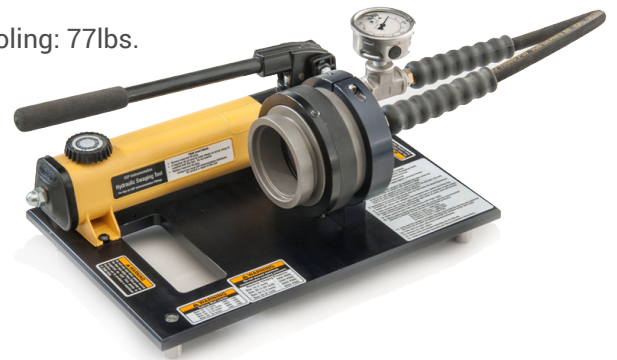
Hydraulic swaging is the recommended method for installing 3/4 in. and larger SSP tube fittings. The standard Hydraulic Swaging Tool swages 3/4", 1", 1-1/4", 1-1/2", 2" tube-fitting ferrules onto the tubing prior to assembly with the fitting body reducing the time and effort required to make up large tube fittings.

Features

- Fast setup
- Easy-to-use
- Quick and easy tooling changes
- Installed fittings are 100% gaugeable
- Unique marking feature indicates that swaging is complete
- Detachable base for swaging in place
- Rugged rolling carrying case

Weight

HST with base: 25lbs.
 Case: 12H x 32W x 20D
 Case and HST With All Tooling: 77lbs.



Liquid Leak Detector

The Liquid Leak Detector is used by assembly, installation, and maintenance people in a wide range of industries to ensure quality, reduce environment and safety risks, and to improve the performance of gas systems.

Features

- Unique formula detects even very small leaks
- Standard- and low-temperature formulas
- Flexible extended application tube allow testing in hard to reach places
- Nontoxic
- Noncorrosive
- Nonflammable
- Dries clean

Temperature Ranges

Product	Temperature Range
Liquid Leak Detector	32 to 200°F (0 to 93°C)
Low Temperature Liquid Leak Detector	-65 to 200° F (-33 to 93° F)



Part #	Description
TP-LLD-80Z-12	8 oz. bottles Liquid Leak Detector - Sold 12 per case
TP-LLDLT-80Z-12	8 oz. bottles Low-Temperature Liquid Leak Detector - Sold 12 per case
TP-LLD-1GA-4	1 gal. bottles of Liquid Leak Detector - Sold 4 per case
TP-LLDLT-1GA-4	1 gal. bottles of Low-Temperature Liquid Leak Detector- Sold 4 per case

TurnPro™ Benchtop Tube Straightener

Improving Efficiency and Reducing Waste

Using coiled tubing allows installers to run continuous lines of seamless tubing without fittings or welding. The tube straightener allows installers to straighten exactly what they need, reducing waste and connections.



Features

- Straightens 1/4, 3/8 and 1/2 in. heavy walled tubing
- Reduces waste and saves time - straighten exactly what they need
- Fast! Set up and pull tubing in minutes
- One person can pull even heavy walled 1/2 in. tubing
- Lightweight (42 lbs.) straightener
- Change sizes in minutes
- Mounts on a bench top, trailer hitch or any flat surface
- Durable carrying case contains everything necessary to straighten tubing
- Excellent option for field service applications

Bill of Materials - Part# TP-TSL-468

Component	Quantity
Straightener Base	1
Roller Dies: 1/4, 3/8 and 1/2 in.	5 ea.
1/8 in. (optional)	5
Die Holders	2
Roller Bolts & Washers	5 ea.
Calibration Rods: 1/4, 3/8 and 1/2 in.	1 ea.
Tailgate Mount	1
Table Clamps	2
Pelican Carrying Case	1

Accessories

PTFE Tape

PTFE tape enhances sealing and reduces the potential for galling or seizing.

- Standard PTFE and nickel-impregnated PTFE tape are available
- Nickel impregnated tape provides higher protection against galling.
- Temperatures up to 450° F (232° C)



PART #	DESCRIPTION
TP-PTFET-4	PTFE Thread Sealant tape. 1/4 by 520 in. rolls
TP-PTFET-8	PTFE Thread Sealant tape. 1/2 by 520 in. rolls
TP-V-NCT-8	Nickel Impregnated PTFE Thread Sealant tape. 1/2 by 520 in. rolls

Installation Accuracy Tools – Gap Gage

Gap Gages allow installers and inspectors to verify proper tightening of a tube fitting prior to pressurizing a system. Gap gauges:

- Reduce installation, commissioning, and maintenance costs
- Improve installation quality and productivity
- Enhance system reliability, safety, and performance.



PART #	DESCRIPTION
TP-GG-468M10	Gap Gauge 1/4, 3/8 and 1/2 in. (6, 10, and 12mm)
TP-GG-12	Gap Gauge 3/4 in. (18mm)
TP-GG-16	Gap Gauge 1 in. (25mm)

Installation Accuracy Tools – Depth Marking Tools

Depth Marking Tools help ensure that tubing is inserted properly in the tube fitting body. They help control installation quality, especially in hard-to-reach or confined-space installations where it might be difficult to determine if the tube is completely inserted into the fitting.



PART #	DESCRIPTION
TP-DMT-4	1/4 in. Depth Marking Tool
TP-DMT-6	3/8 in. Depth Marking Tool
TP-DMT-8	1/2 in. Depth Marking Tool
TP-DMT-M6	6mm Depth Marking Tool
TP-DMT-M10	10mm Depth Marking Tool
TP-DMT-M12	12mm Depth Marking Tool

Lifetime Limited Warranty

Any hand tool product supplied by SSP that fails to render service due to defect in workmanship or materials will be replaced or repaired at no charge. Product failures due to misuse, abuse, normal wear and tear or alterations are not covered by the Lifetime Warranty. Wear items (such as cutter wheels) will need to be replaced over time and are not included. SSP makes no other warranty, expressed or implied. Tools should be returned to the buyer's place of purchase.

More SSP Products



Tube Fittings

Duolok and Griplok two-ferrule and Unilok® single ferrule tube fittings provide leak-tight installation even when intermixed with Swagelok®, Hoke Gyrolok® and Parker CPI™ fittings.



Valves

The SSP valve offering includes ball, check, metering, needle, toggle, plug, bleed, and purge valves for pressures up to 10,000 psig.



Tubing

SSP offers straight and coiled seamless 316 stainless steel instrumentation tubing for instrumentation, process and utility applications.



Pipe Fittings

TruFit and TruFit 10K pipe fittings are available in a wide range of weld, threaded and flared connections.



Filters

SSP in-line and tee-type filters trap particles to clean sample fluids and protect sensitive process and analytical instrumentation components and equipment.



Tools & Accessories

SSP professional hand tools, power tools and installation training make quality tube system installation faster and easier.



Quick Connects

SSP offers single-end shutoff, double-end shutoff, and full-flow quick connects for instrumentation and process applications.



SSP

Founded 1926

Privately owned, third generation business

Modern single-site vertically integrated manufacturing facility

DFARS-compliant raw material

ISO 9001 quality management system

Lifetime Limited Warranty



8250 Boyle Parkway • Twinsburg, OH 44087
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