

Sheet Metal Tools/HVAC

Klein's line of sheet metal and HVAC tools make it easy to work with sheet metal, ductwork and tubing. These job-matched tools are proven to stand the test of time with superior results.

For Professionals...
Since 1857™



HVAC



Cutting & Notching Tools – Journeyman™ Snips

JOURNEYMAN™

Features:

JOURNEYMAN™

Exclusive Klein Kurve™ design for added comfort.

Soft touch grips for maximum control and comfort.

Self opening latch.

Long-lasting serrated forged steel blades for superior strength and durability.

Hard, colored material for toughness and durability.

Premium corrosion – resistant plated handles.



Tip-Ident™ for easy identification.



Meets or exceeds ASME B107.16M performance standard.

US Patents: D623498, D631322

Aviation Snips

Additional Features:

- J1100L, J1101R, J1102S Journeyman snips cut 18 gauge cold rolled steel and 22 gauge stainless steel.
- J2103S Journeyman Bulldog snips cut 16 gauge cold rolled steel and 18 gauge stainless steel.



J1101R



J1102S



J1100L

Cat. No.	Cutting Pattern	Snip Type	Cutting Length	Color Code	Overall Length	Cutting Capacity: Cold Rolled/Stainless Steel	Weight (oz.)
J1100L	left/straight	aviation	1-3/8" (35 mm)	red/black	9-7/8" (250 mm)	18 gauge/22 gauge	14.4
J1101R	right/straight	aviation	1-3/8" (35 mm)	green/black	9-7/8" (250 mm)	18 gauge/22 gauge	14.7
J1102S	straight/wide curves	aviation	1-1/2" (38 mm)	yellow/black	10-1/16" (255 mm)	18 gauge/22 gauge	14.4
J2103S	notch/straight	bulldog	7/8" (22 mm)	yellow/black	9-7/16" (240 mm)	16 gauge/18 gauge	13.9

Right Angle Snips

Additional Features:

- J2104L, J2105R Journeyman snips cut straight, curves, and tight circles in 24 gauge cold rolled steel and 28 gauge stainless steel.
- Makes cutting easier in confined spaces (in ductwork, reaching through openings or against a wall).

Cat. No.	Cutting Pattern	Snip Type	Cutting Length	Color Code	Overall Length	Cutting Capacity: Cold Rolled/Stainless Steel	Weight (oz.)
J2104L	left curves/tight circles/straight	right angle	1-1/4" (32 mm)	red/black	7-15/16" (201 mm)	24 gauge/28 gauge	14.4
J2105R	right curves/tight circles/straight	right angle	1-1/4" (32 mm)	green/black	7-15/16" (201 mm)	24 gauge/28 gauge	14.4



J2105R



J2104L

All dimensions are in inches and (millimeters).



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See page 296 for additional information on warnings.



Offset Snips

Additional Features:

- J2100L, J2101R, J2102S and J2106S snips feature exclusive Klein Kurve™ handles for natural hand positioning and ease of use.
- J2106S Journeyman snips cut 20 gauge cold rolled steel and 24 gauge stainless steel, with a 2-3/8" length of cut for faster cutting.
- J2100L, J2101R and J2102S Journeyman snips cut 18 gauge cold rolled steel and 22 gauge stainless steel.



Cat. No.	Cutting Pattern	Snip Type	Cutting Length	Color Code	Overall Length	Cutting Capacity: Cold Rolled/Stainless Steel	Weight (oz.)
J2100L	left/straight	offset	1-1/4" (32 mm)	red/black	9-1/2" (241 mm)	18 gauge/22 gauge	15.5
J2101R	right/straight	offset	1-1/4" (32 mm)	green/black	9-1/2" (241 mm)	18 gauge/22 gauge	15.7
J2102S	straight/wide curves	offset	1-1/2" (38 mm)	yellow/black	9-1/2" (241 mm)	18 gauge/22 gauge	15.5
J2106S	straight/wide curves	long cut offset	2-3/8" (60 mm)	yellow/black	10-1/2" (266 mm)	20 gauge/24 gauge	18.2

Cutting & Notching Tools

Aviation Snips – Regular/Offset/Bulldog

- Forged and heat-treated steel blades for strength and durability.
- Regular and offset blades have the capacity of cutting 18 gauge cold-rolled sheet metal and 22 gauge stainless steel sheet metal.
- Offset blades provide ease of cutting tight curves and keep user's hand away from metal.
- Bulldog snips (Cat. No. 2103) for notching or trimming 16 gauge cold-rolled sheet metal and 18 gauge stainless steel sheet metal.
- Spring-loaded for self-opening action.
- Latch keeps jaws closed when not in use.
- Hardened handles for extra strength.
- Contoured plastic handles are comfortable and color-coded by cutting pattern.



Cat. No.	Cutting Pattern	Snip Type	Cutting Length	Color Code	Overall Length	Cutting Capacity	Weight (oz.)
1100L	left / straight	aviation	1-3/8" (35 mm)	red	9-3/4" (248 mm)	18 ga.	14.4
1101R	right / straight	aviation	1-3/8" (35 mm)	green	9-3/4" (248 mm)	18 ga.	14.7
1102S	straight / wide curve	aviation	1-1/2" (38 mm)	yellow	10-1/8" (257 mm)	18 ga.	14.4
2100L	left / straight	offset	1-1/4" (32 mm)	red	9-1/2" (241 mm)	18 ga.	15.5
2101R	right / straight	offset	1-1/4" (32 mm)	green	9-1/2" (241 mm)	18 ga.	15.7
2102S	straight / wide curve	offset	1-1/2" (38 mm)	yellow	9-1/2" (241 mm)	18 ga.	15.5
2103	notch	bulldog	7/8" (22 mm)	yellow	9-1/4" (235 mm)	16 ga.	13.9

Replacement springs for aviation snips

P406 replacement spring for Cat. Nos. 1100L and 1102S

P407 replacement spring for Cat. No. 1101R

All dimensions are in inches and (millimeters).



Cutting & Notching Tools

Snap Lock Punch



- Compound-leverage mechanism for greater control and easy operation.
- Drop-forged, steel jaw easily punches 3/8" (9.5 mm) wide impressions on metal edges to easily join pieces of sheet metal, duct, or pipe.
- All-steel construction and nickel-chrome plated hardware provide long life and durability.
- Vinyl grips with handle stops for added comfort and easy operation.

86560

Cat. No.	Overall Length	Handle Color	Weight (lbs.)
86560	8" (203 mm)	blue	1.0

Hand Notcher



- Allows quick, clean, 30° "V" shaped cuts in sheet metal.
- Drop-forged, high-impact steel jaw with 13/16" (21 mm) maximum throat depth.
- Jaws' hook design allows easy notching of corners and take-off tabs without slippage.
- All steel construction with nickel-plate and black-oxide finish provides long life and durability.
- Hardened steel handles include hand guards and are covered with vinyl grips for added comfort and easy operation.

86551

Cat. No.	Overall Length	Handle Color	Weight (lbs.)
86551	8-1/2" (216 mm)	blue	1.0

HVAC



Lightweight Tinner Snips

- 6° angled, hollow-ground cutting edge for cutting full 3-1/2" (89 mm) straight cuts and wide curves.
- Easily replaceable cutting blades made of high-carbon steel.
- Cutting capacity: 22 gauge cold-rolled sheet metal; 26 gauge stainless steel sheet metal. Do not use to cut hardened wire, nails, or any other rounded surface.
- Lightweight magnesium handles.



3100

Cat. No.	Overall Length	Handle Color	Weight (oz.)
3100	13" (330 mm)	gray	13.4

Replacement Parts

3101	replacement blades for Cat. No. 3100
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Seaming & Folding Tools

Seamers – Straight and Offset

- Compound-leverage mechanism easily and accurately bends, seams, and flattens sheet metal and non-ferrous metals.
- Jaw marked in 1/4" (6 mm) increments for precise bending measurements.
- All-steel construction and nickel-chrome plated hardware provide long life and durability.
- Vinyl grips with handle stops for added comfort and easy operation.
- Straight-handle model is used for most general applications.
- Offset-handle model (not pictured) is for use in overhead or confined areas .
- Broader jaw model for forming wider folds.
- Folds 22 gauge CRSM and 24 gauge SSSM.



86556

Cat. No.	Type	Jaw Size	Overall Length	Handle Color	Weight (lbs.)
86553	straight-hand seamer	3"	8-3/8" (213 mm)	blue	1.45
86552	offset-hand seamer	3"	8" (203 mm)	blue	1.46
86556	straight-hand seamer	6"	8-3/8" (213 mm)	blue	1.87

All dimensions are in inches and (millimeters).



Seaming & Folding Tools

Seamer Tongs, Straight and Offset

- Hot-drop forged for strength.
- Bending depth indicators marked in 1/4" (6 mm) increments.
- Cushioned handles.
- Offset-handle model for greater power and easy use in overhead and confined areas.



86554



86555

Cat. No.	Type	Jaw Size	Overall Length	Bends	Handle Color	Weight (lbs.)
86554	offset	3"	9-3/4" (248 mm)	22 ga. CRSM	red	1.8
86555	straight	3"	9-3/4" (248 mm)	22 ga. CRSM	red	1.8

Folding Tools

- Two folding depths: 3/8" (10 mm) and 1" (25 mm).
- Handy sight gauges for accurate depth alignment.
- Made of heavy-duty 16 gauge steel for folding strength.



88980

Cat. No.	Overall Length	Folds	Weight (lbs.)
88980	12" (305 mm)	24 ga. CRSM and 28 ga. SSSM	1.3
88981	18" (457 mm)	24 ga. CRSM and 28 ga. SSSM	2.0
88982	24" (610 mm)	24 ga. CRSM and 28 ga. SSSM	2.6

Tube Benders & Cutters

Professional 4-in-1 Tube Bender

- Bends four popular tube sizes.
- Calibrated markings for accurate left-hand, right-hand, and offset bends up to 90°.
- For soft copper, aluminum, and steel tubing.
- Bends 3/16", 1/4", 5/16" and 3/8" (6 mm and 8 mm) O.D. tubing.



89030

Cat. No.	Closed Overall Length	Weight (lbs.)
89030	10" (254 mm)	1.0

Professional Tube Cutter

- Accurate 4 roller tracking system – no spiraling.
- Professional reaming tool.
- Extra cutting wheel included in handle.



88904

Cat. No.	Overall Length	Cuts	Weight (lbs.)
88904	6-1/32" (153 mm)	1/8" – 1-3/8" steel and copper tubing	1.31
Replacement Parts			
88905	replacement wheel for Cat. No. 88904		.08

Professional Mini Tube Cutter

- Perfect for tight space cutting. Requires only 1-3/8" swing radius.
- Smooth feed mechanism for precise, right angle cutting action.
- Not designed for cutting stainless steel or hard tempered tubing.



88978



88977

Cat. No.	Overall Length	Cuts	Weight (oz.)
88977	1-3/4" (44 mm)	1/8"-5/8" O.D. tubing	2.5
Replacement Parts			
88978	replacement wheels + screw for Cat. No. 88977		

All dimensions are in inches and (millimeters).



Swaging Tool – Punch Type

Professional 6-in-1 Swaging Punch

- Swages six sizes of tubing.
- Hex design for ease of extraction.
- Precision machined surface for ease of forming.
- High-alloy steel, heat-treated for strength and durability.



66400

Cat. No.	Overall Length	Swages	Weight (oz.)
66400	5-3/16" (132 mm)	3/16", 1/4", 5/16", 3/8" 1/2", 5/8" O.D. tubing	5.92

Tube Flaring & Swaging Tools

45° Flaring and Swaging Tool Set

- Converts from flares to swages with easy screw-on application.
- Self-centering, slip-on forged steel yoke easily forms quality flares/swages.
- Swages 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" O.D. tubing.
- Flares 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" O.D. tubing.



89021

Cat. No.	Dimensions	Weight
89021	7" (178 mm) L x 4-13/16" W (122 mm) x 3-9/32" H (236 mm)	2.0 lbs.

Duct Stretcher

Duct Stretcher

- Aligns and pulls ductwork together, easing installation of drive cleats.
- Offset handle protects hand.



89565

Cat. No.	Overall Length	Weight (oz.)
89565	16" (406 mm)	12

Crimping Tools

5-Blade Crimper

- Produces factory-precision indentations in stove pipe and round duct with just a squeeze.
- Compound-leverage mechanism, heavy-duty jaw/handle linkage, and closing stop provide easy operation and consistent crimps for virtually leak-proof connections.
- Hardened steel handles include hand guards covered with vinyl grips for added comfort and easy operation.
- All steel construction and nickel-plating provide long life and consistent crimp profile.



86550

Cat. No.	Overall Length	Crimps	Handle Color	Weight (lbs.)
86550	9" (229 mm)	24 ga. CRSM and 28 ga. SSSM	blue	1.00

Sheet Metal Fasteners

Self-Piercing Sheet Metal Screws

- Zinc plated sheet metal screws with self piercing tips.
- Slotted 1/4" hex head washer.



8910-3/4

Cat. No.	Length	Driver Type	Size	Qty	Head Type
8910-3/4	3/4" (19 mm)	1/4" slotted	#8	1000	hex washer
8910-1/2	1/2" (13 mm)	1/4" slotted	#8	1000	hex washer

All dimensions are in inches and (millimeters).



Magnetic Hex Drivers

Magnetic Hex Drivers

- For driving sheet metal screws.
- Strong Rare Earth magnets for maximum holding.
- 1/4" hex shank with quick release groove.



86602

Cat. No.	Description	Overall Length	Weight (lbs.)
3-Pack			
86600	1/4" magnetic hex driver – 3 pack	1-3/4" (45 mm)	.12
86601	5/16" magnetic hex driver – 3 pack	1-3/4" (45 mm)	.14
86602	3/8" magnetic hex driver – 3 pack	1-3/4" (45 mm)	.16
10-Pack Punch Card for Individual Sale			
86600-10	1/4" magnetic hex driver	1-3/4" (45 mm)	.43
86601-10	5/16" magnetic hex driver	1-3/4" (45 mm)	.49
86602-10	3/8" magnetic hex driver	1-3/4" (45 mm)	.57

Refrigeration Wrenches

Ratcheting Refrigeration Wrenches

- Fully reversible ratchet wrenches designed for refrigeration packing gland nuts and valve stem sockets.
- Also designed for beam-clamp installation.
- Wrenches are compact in size, with clearly marked sockets for four nut sizes.
- Quick-flip reversing lever permits instant ratchet reversal.
- Wrenches are ruggedly built and have polished chrome finish with smooth edges for comfort.



68310

Cat. No.	Socket Sizes	Length	Weight (lbs.)
68309	3/16" and 1/4" sq. x 1/2" and 9/16" hex	6-13/16" (173 mm)	.43
68310	3/16" and 5/16" sq. x 1/4" and 3/8" sq.	5-1/2" (140 mm)	.20

Nylon Tie Tensioning Tools

Nylon Tie Tensioning Tools

- Designed for work with ties rated at 120 - 250 lbs. (54 - 113 kg).
- Tensions up to 65 lbs. of force (30 kg).
- Maximum tie width of 15/32" (12 mm).
- Handle grips for comfort.
- Excess tie material is automatically cut off (Cat. No. 86571 only).



86571



86570

Cat. No.	Description	Weight (lbs.)
86570	nylon tie tensioning tool – manual	0.87
86571	nylon tie tensioning tool – automatic	1.01

Special-Purpose Knives

Serrated Duct Knife

- Cuts duct board and flexible duct.
- Double-edged knife – regular and serrated.
- Cushion-grip handle for comfort.
- Includes puncture resistant nylon sheath with belt loop.



DK06



Cat. No.	Blade Steel	Blade Length	Weight (lbs.)
DK06	stainless steel	5.5" (140 mm)	0.53

Check local law on legality of selling or possessing this knife.

All dimensions are in inches and (millimeters).



Specialty Screwdrivers

11-in-1 Screwdriver/Nut Driver with Schrader® Valve Removal/Installation Bit

Additional Features:

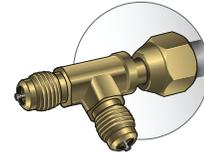
- Includes unique style bit for installation/removal of common TR-4 Schrader® valves and aggressive thread extractor tip for backing out broken cores.
- Great for HVAC and other industrial applications.
- Cushion-Grip handle for greater torque and comfort.
- Blast finish bit tips provide a firm hold and reduce cam out.



32527



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Cat. No.	Contains	Weight (lbs.)
32527	3/8", 5/16" and 1/4" nut drivers, #1 and #2 Phillips, #1 square and #2 square, 1/4" and 3/16" slotted, Schrader® valve core removal/installation - extractor	.44

Hammers

Setting Hammer



820-16

- Durable epoxy resin handle helps to protect neck from fraying and splintering if incorrectly struck or over struck.
- High-strength fiberglass shaft absorbs shock and keeps head tight.
- Cushioned, PVC grip bonded to handle.
- Special high-carbon steel, octagon shaped head with flat striking surface and rounded cross peen.

Cat. No.	Head Weight	Overall Length	Weight (lbs.)
820-16	16 oz. (454 g)	13" (330 mm)	1.6

Riveting Hammer



821-12

- High-carbon steel round head is forged and hardened.
- Flat striking surface with rounded cross peen.
- Straight-grain American hickory handle is stained and lacquered.

Cat. No.	Head Weight	Overall Length	Weight (lbs.)
821-12	12 oz. (340 g)	12-1/4" (311 mm)	1.1

Dead Blow Hammers



811-16

- Durable, abrasion resistant non-marring hammer face.
- Increased striking force with zero impact rebound.
- Design isolates user from striking impact and reduces fatigue.
- 40% more driving power than other dead blow hammers.
- Protects job surface from damage.
- Applications: HVAC, metal fabrication, electronics, oil and mining, wood and metal assembly, automotive, aerospace.



Cat. No.	Overall Length	Head Weight	Weight (lbs.)
811-16	12.5" (318 mm)	16 oz. (454 g)	1.44
811-32	18" (457 mm)	32 oz. (908 g)	1.8

All dimensions are in inches and (millimeters).



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See page 296 for additional information on warnings.

