

Introduction – Pliers

Klein Quality

Klein pliers are made of the finest U.S. steel alloy. Forged, precision machined, hardened, and carefully tempered for maximum strength, Klein pliers provide exceptional performance and durability.

All pliers mating surfaces and dimensions are precision machined and hot riveted for uniformly smooth opening and closing action. Cutting knives are manufactured for long-lasting edges and are designed to perfectly align and meet according to the way each is used.

Side-cutting and long-nose pliers with side cutters have knives that meet at the hinge first and then meet at least one-half of the knife length. Diagonal-cutting pliers meet at the tip first and then meet at least one-half of the knife length.

These precise knife-closing designs increase knife life and facilitate resharpening.

Klein pliers are individually adjusted to meet performance standards far exceeding application requirements – ensuring that nothing less than outstanding quality ever carries the Klein name.

Using Pliers

A professional knows all the rules about using pliers, but a review of the following points may help you recall any you may have forgotten.

- 1. Never use pliers to do another tool's job.** Pliers should not be used as a hammer or pry tool or a wrench. Using pliers instead of the proper tools risks damaging the work, damaging yourself, and losing time.
- 2. Never push pliers beyond their capacity.** Bending stiff wire with light pliers or the tip of needle-nose pliers can spring or break them. Use a stronger, blunt-nose pliers. When you need greater leverage, use pliers with greater leverage. Don't extend the length of the pliers handles. Bolts should be cut with a bolt cutter, and large cable with a cable cutter.
- 3. Never expose pliers to excessive heat.** Direct flame on metal can ruin the tool. Cutting pliers are especially vulnerable to high, direct heat.
- 4. Never cut hardened wire with ordinary pliers.** Pliers should not be used for cutting hardened wire unless they are specifically recommended for this use.
- 5. Never rock pliers from side to side when cutting wire...and never bend the wire back and forth against the cutting knives.** Either practice can dull or nick the cutting

edges. Cut wire at a right angle only. If it won't cut readily, the knives may need sharpening, or you may need pliers with greater leverage.

6. Never cut any wire or metal unless your eyes are protected. Goggles or other protective devices are an absolute must. Don't take shortcuts. Operate safely...the professional way.

7. Never cut any wire or metal unless your fellow workers' eyes are also protected. The wire that doesn't get you may get someone else. Think about the "other guy" as well as yourself.

8. Never depend on plastic-dipped handles to insulate you from electricity. Plastic-dipped and Journeyman™ handles are intended for comfort and a firmer grip only. They are not intended for protection against electric shock. Never use any pliers or cutting tools on live electrical circuits. Only use insulated tools that are marked with the official international 1000-volt rating symbol if there is any chance that the tool will make contact with an energized source.

Pliers Catalog Number Prefixes/Suffixes

"D" (Prefix) – Indicates the pliers have plastic-dipped handles for comfort, NOT for protection against electrical shock.

"HD" (Prefix) – Indicates the pliers have heavy-duty plastic-dipped handles to provide an extra level of user comfort, NOT for protection against electrical shock.

"J" (Prefix) – Indicates the pliers have State-of-the-art dual material molded Journeyman™ handles for a softer, more comfortable grip on the outer surface and a harder, more durable grip on the inner surface and handle ends, NOT for protection against electrical shock.

"C" (Suffix) – Indicates the pliers have a coil spring in the handles for self-opening action.

Pliers Cutting Edges

Knife-edge descriptions refer to the angle of the outside cutting edges of the knives when fully closed.

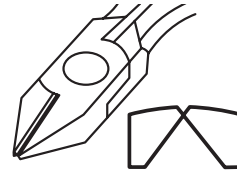
Standard Cutting Edges

Cuts hard wire. Found on all Klein side-cutters, long-nose, and on most diagonal-cutting pliers.



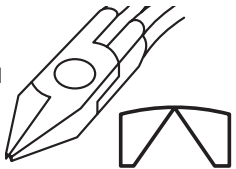
Semi-Flush Cutting Edges

Closely cuts medium wire. Found on select diagonal-cutting pliers.



Full-Flush Cutting Edges

Close, flat cutting of soft wire only. Found on select diagonal-cutting pliers.





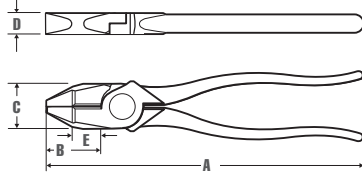
Introduction – Pliers

Pliers Dimensions

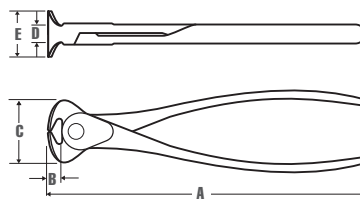
All Klein pliers are listed with necessary dimensions in both inches and millimeters. The following drawings of six basic types of pliers are keyed by letter to the dimensions given for each pliers listed. All dimensions are subject to commercial tolerances.

A – Overall Length	D – Jaw Thickness
B – Jaw Length	E – Knife Length
C – Jaw Width	F – Point Thickness

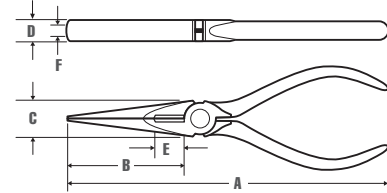
1. Side-Cutting Pliers



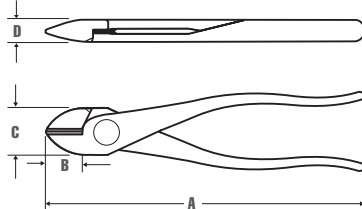
3. End Cutting Pliers



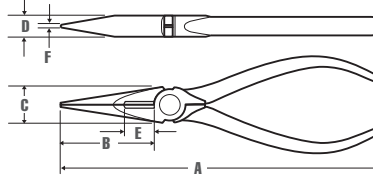
5. Flat-Nose and Duck-Bill Pliers



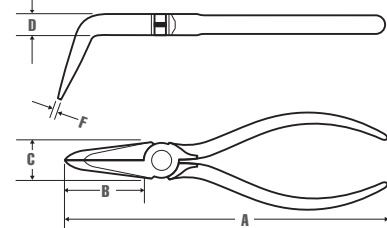
2. Diagonal-Cutting Pliers



4. Long-Nose Pliers



6. Curved-Nose Pliers



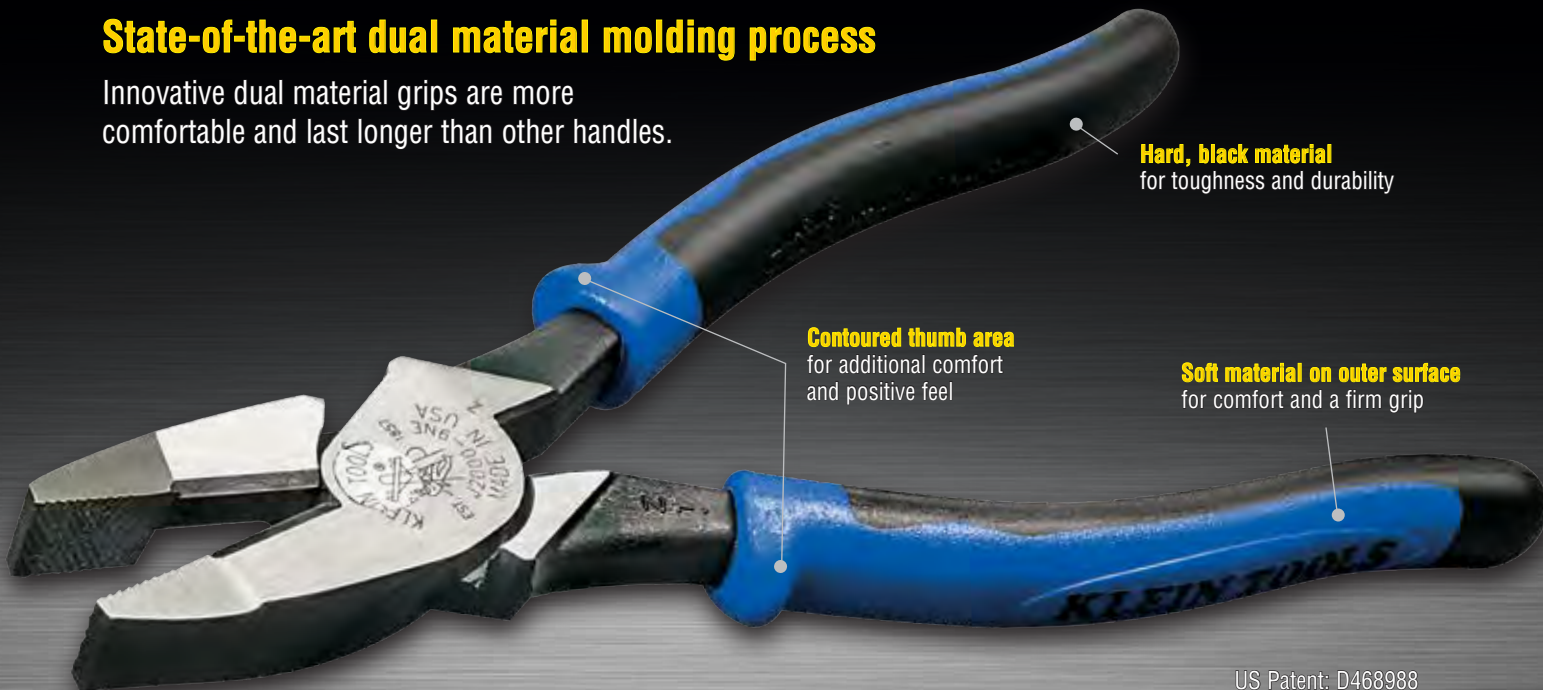
Pliers dimensions shown are accurate within accepted commercial tolerances, which allow slight variations that normally result from forging and grinding operations.

JOURNEYMAN

**MADE IN
USA**

State-of-the-art dual material molding process

Innovative dual material grips are more comfortable and last longer than other handles.



US Patent: D468988

AVAILABLE ON KLEIN SIDE-CUTTING PLIERS | DIAGONAL-CUTTING PLIERS | LONG-NOSE PLIERS | SNIPS

See page 295 for additional information on warnings.





Klein-Kurve™ Wire Strippers/Cutters

Dual NM Cable Stripper/Cutters

Includes core Klein-Kurve™ features plus:

- Cat. No. K1412 has 12/2 and 14/ stripping slots to quickly remove the outer jacket of Type NM-B nonmetallic sheathed cable and strips, cuts and loops 12 and 14 AWG solid wires
- Cat. No. K1412CAN removes outer jacket of Canadian NMD-90 Romex® Cable and strips, cuts and loops 14 and 16 AWG stranded wires
- Narrow nose fits into tight places



K1412

Cat. No.	Strips and Cuts	Screw Shearing	Overall Length	Handle Color	Weight
K1412	NM-B Cable 12/2 and 14/2; 12 and 14 AWG Solid (2.5 mm ² and 1.5 mm ²); 14 and 16 AWG Stranded (1.5 mm ² and 1.0 mm ²)	6-32 & 8-32	7-3/4" (196.9 mm)	Yellow/White	0.41 lb (0.19 kg)
K1412CAN	NMD-90 Cable 12/2 and 14/2; 12 and 14 AWG Solid (2.5 mm ² and 1.5 mm ²), 14 and 16 AWG Stranded (1.5 mm ² and 1.0 mm ²)	6-32 & 8-32	7-3/4" (196.9 mm)	Yellow/White	0.41 lb (0.19 kg)

Romex® is a registered trademark of Southwire Company.

Textured handles provide a firm, comfortable grip

Spring loaded for self-opening action

Black-oxide finish resists corrosion

Easy-to-read wire gauge markings on both sides for stripping in either direction

Wire Strippers/Cutters

Wire looping and bending holes

Precision-ground stripping holes for easy removal of insulation



Wire Strippers/Cutters

Includes core wire stripper/cutter features plus:

- Narrow nose fits into tight places
- Cat. No. 11048 strips two wires in a single motion
- Do not use for cutting steel wire or screws



DUAL-WIRE STRIPPER
11048



11045

Cat. No.	Strips and Cuts	Overall Length	Handle Color	Weight
11045	10 - 18 AWG Solid (4.0 mm ² - 0.75 mm ²)	6-1/4" (158.8 mm)	Yellow	0.27 lb (0.12 kg)
11046	16 - 26 AWG Stranded (1.0 mm ² - 0.14 mm ²)	6-1/4" (158.8 mm)	Red	0.27 lb (0.12 kg)
11047	22 - 30 AWG Solid (0.34 mm ² - 0.05 mm ²)	6-1/4" (158.8 mm)	Yellow	0.27 lb (0.12 kg)
11048	10, 12, 14 AWG Solid (4.0 mm ² , 2.5 mm ² , 1.5 mm ²)	6-1/4" (158.8 mm)	Yellow	0.27 lb (0.12 kg)
11049	8 - 16 AWG Stranded (6 mm ² - 1.0 mm ²)	6-1/4" (158.8 mm)	Red	0.27 lb (0.12 kg)

See page 295 for additional information on warnings.



Tool Kits

18-Piece Journeyman™ Tool Kit



Cat. No.	Kit Contains	Weight
80118	18 Piece Journeyman Tool Set	11.6 lb (5.3 kg)

Cat. No.	Description
J203-8N	8" Journeyman™ Long Nose Pliers Side Cutting
J502-10	Journeyman™ Pump Pliers, 10"
D507-10	10" Adjustable Wrench Extra Capacity
603-3	#1 Phillips Screwdriver 3" Round Shank
603-4B	#2 Wire Bending Phillips Screwdriver
605-4	1/4" Cabinet Tip Screwdriver 4" Shank
605-6	1/4" Cabinet Tip Screwdriver Heavy Duty 6"
630-1/4	1/4" Nut Driver 3" Shaft Cushioned
630-5/16	5/16" Nut Driver Cushion-Grip 3" Shaft
662	#2 Square Screwdriver 4" Round Shank
670-6	3/16" Cabinet Rapi-Driv® Screwdriver
86225	25' Double Hook Magnetic Tape Measure
J2000-48	Diagonal HD Cutting Pliers Angled Head
5165	10 Pocket Tool Pouch Knife Snap
5705	PowerLine™ Web Work Belt
11055	Wire Stripper/Cutter
60053	Protective Eyewear Clear Lens

⚠WARNING: Blades are intended for cutting only, and should be handled and disposed of with care. Bending the blade can cause it to break, possibly resulting in bodily injury. Check local laws on legality of selling or possessing these knives.

⚠WARNING: Do NOT open the tape measure case. Spring motor is under tension, and opening may cause injury.

⚠WARNING: This is NOT an occupational protective belt.

80118

14-Piece Electrician Tool Kit



Cat. No.	Kit Contains	Weight
80014	14 Piece Electrician Tool Set	9.6 lb (4.4 kg)

Cat. No.	Description
D203-8	8" Long Nose Pliers Side-Cutting
D213-9NETP	9" Side Cutting and Tape Pulling Pliers
D248-8	Diagonal Cutting Pliers High Leverage
D502-10	10" (254 mm) Pump Pliers
603-3	#1 Phillips Screwdriver 3" Round Shank
603-4B	#2 Wire Bending Phillips Screwdriver
605-4	1/4" Cabinet Tip Screwdriver 4" Shank
605-6	1/4" Cabinet Tip Screwdriver Heavy Duty 6"
670-6	3/16" Cabinet Rapi-Driv® Screwdriver
86125	25 Foot Non-Magnetic Tape Measure
5164	8 Pocket Tool Pouch Slotted
5225	Adjustable PolyWeb Tool Belt
11045	Wire Stripper/Cutter (10-18 AWG Solid)
60056	Protective Frameless Eyewear Clear Lens

⚠WARNING: Do NOT open the tape measure case. Spring motor is under tension, and opening may cause injury.

⚠WARNING: This is NOT an occupational protective belt.

80014





Tool Kits

12-Piece Electrician Tool Kit



5300

Cat. No.	Kit Contains	Weight
5300	Electricians Tool Set	6.8 lb (3.1 kg)

Cat. No.	Description
5166	7-Pocket Tool Pouch
5225	Adjustable PolyWeb Tool Belt
603-3	#1 Phillips Screwdriver 3" Round Shank
603-4	#2 Phillips Screwdriver 4" Round Shank
605-4	1/4" Cabinet Tip Screwdriver 4" Shank
605-6	1/4" Cabinet Tip Screwdriver Heavy Duty 6"
11045	Wire Stripper/Cutter (10-18 AWG Solid)
D248-8	Diagonal Cutting Pliers High Leverage
D203-8	8" Long Nose Pliers Side-Cutting
D213-9NETP	9" Side Cutting and Tape Pulling Pliers
D502-10	10" (254 mm) Pump Pliers
928-25HV	Tape Measure 25 ft High Visibility Case

⚠WARNING: Do NOT open the tape measure case. Spring motor is under tension, and opening may cause injury.

⚠WARNING: This is NOT an occupational protective belt.

12-Piece Electrician Tool Kit



92003

Cat. No.	Kit Contains	Weight
92003	12 Piece Electrician Tool Set	17.0 lb (7.7 kg)

Cat. No.	Description
D213-9NETP	9" Side Cutting and Tape Pulling Pliers
D248-8	Diagonal Cutting Pliers High Leverage
D203-8	8" Long Nose Pliers Side-Cutting
D502-10	10" (254 mm) Pump Pliers
11045	Wire Stripper/Cutter (10-18 AWG Solid)
86375	7.5 M Double Hook Magnetic Tape Measure
603-4	#2 Phillips Screwdriver 4" Round Shank
605-4	1/4" Cabinet Tip Screwdriver 4" Shank
661	#1 Square Recess Screwdriver 4" Shank
662	#2 Square Screwdriver 4" Round Shank
5719	PowerLine™ Series 18 Pocket Electrician Tool Pouch
5705	PowerLine™ Web Work Belt

⚠WARNING: Do NOT open the tape measure case. Spring motor is under tension, and opening may cause injury.

⚠WARNING: This is NOT an occupational protective belt.

See page 295 for additional information on warnings.

