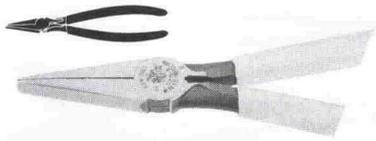




# KLEIN PLIERS

## Long-Nose Pliers CONT'D



### Long-Reach Long-Nose with Flat Nose

Longer handles for more convenient use and greater jaw gripping power. Knurled jaws. Plastic-dipped handles.

| Cat. No. | A          | B                                      | C                                      | D                       | F  |
|----------|------------|--|--|-------------------------|--|
| D315-8   | 8<br>(203) | 1 <sup>9</sup> / <sub>16</sub><br>(40) | 1 <sup>1</sup> / <sub>16</sub><br>(17) | 3/ <sub>8</sub><br>(10) | 3/ <sub>32</sub> X <sup>9</sup> / <sub>32</sub><br>(2x7) |

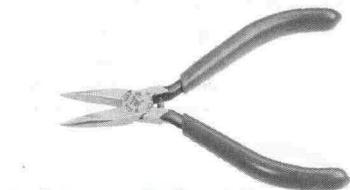


### Midget Slim-Nose

Our smallest, lightest slim-nose pliers. Designed for precision subminiature assembly work. Knurled jaws. With or without coil spring. Plastic-dipped handles.

| Cat. No.                           | A                                      | B                                      | C                        | D                      | F   |
|------------------------------------|--|--|--------------------------|------------------------|---|
| D321-4 <sup>1</sup> / <sub>2</sub> | 4 <sup>3</sup> / <sub>4</sub><br>(121) | 1 <sup>1</sup> / <sub>16</sub><br>(27) | 7/ <sub>16</sub><br>(11) | 1/ <sub>4</sub><br>(6) | 1/ <sub>32</sub> X <sup>1</sup> / <sub>16</sub><br>(.8x1.6) |

D321-4<sup>1</sup>/<sub>2</sub>C With coil spring.



### Midget Slim-Nose with Smooth Jaws

Similar to No. D321-4<sup>1</sup>/<sub>2</sub>C, but with smooth inside jaws and radiused jaw edges to prevent nicking wire. With coil spring. Plastic-dipped handles.

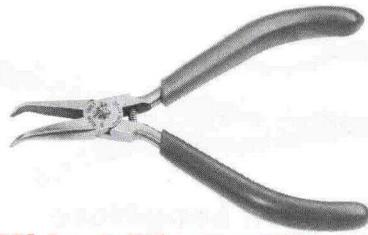
| Cat. No.                             | A                                      | B                                      | C                        | D                      | F   |
|--------------------------------------|--|--|--------------------------|------------------------|---|
| D322-4 <sup>1</sup> / <sub>2</sub> C | 4 <sup>3</sup> / <sub>4</sub><br>(121) | 1 <sup>1</sup> / <sub>16</sub><br>(27) | 7/ <sub>16</sub><br>(11) | 1/ <sub>4</sub><br>(6) | 1/ <sub>32</sub> X <sup>1</sup> / <sub>16</sub><br>(.8x1.6) |

**CAUTION:** Never use any pliers or cutters on live electrical circuits.

### Proper Use and Care of Hand Tools

**WARNING:** The cushion grips on handles are provided for comfort. They are NOT intended to give any degree of protection against electric shock and should NOT be used on live electric circuits.

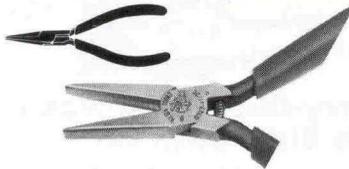
**WARNING:** Plastic-dipped or slip-on plastic handles are NOT intended for protection against electrical shock.



### Midget Pliers with Curved Needle-Nose

Designed to bend and form fine wire. Extra slim nose for delicate work in narrow spaces. 60° bend at nose permits easy access to work and full visibility. Polished inside jaws and radiused jaw edges to prevent nicking wire. With coil spring. Fully polished head and neck. Plastic-dipped handles.

| Cat. No.                             | A                                      | B                       | C                                      | D                      | F                         |
|--------------------------------------|--|-------------------------|--|------------------------|---------------------------|
| D320-4 <sup>1</sup> / <sub>2</sub> C | 4 <sup>5</sup> / <sub>8</sub><br>(117) | 7/ <sub>8</sub><br>(22) | 1 <sup>3</sup> / <sub>32</sub><br>(10) | 1/ <sub>4</sub><br>(6) | 1/ <sub>16</sub><br>(1.6) |



### Midget Flat Long-Nose

Jaw width tapers down to narrow flat tip. Polished inside jaws. With coil spring. Plastic-dipped handles.

| Cat. No.                             | A                                      | B                                      | C                        | D                      | F   |
|--------------------------------------|--|--|--------------------------|------------------------|---|
| D323-4 <sup>1</sup> / <sub>2</sub> C | 4 <sup>3</sup> / <sub>4</sub><br>(121) | 1 <sup>1</sup> / <sub>16</sub><br>(27) | 7/ <sub>16</sub><br>(11) | 1/ <sub>4</sub><br>(6) | 1/ <sub>8</sub> X <sup>1</sup> / <sub>16</sub><br>(3x1.6) |



### Slim Long-Nose

Longer nose and handles for deeper reach into work. Knurled jaws. With coil spring. Plastic-dipped handles.

| Cat. No.                             | A                                       | B                                     | C                                      | D                       | F                         |
|--------------------------------------|---|---------------------------------------|--|-------------------------|---------------------------|
| D307-5 <sup>1</sup> / <sub>2</sub> C | 5 <sup>9</sup> / <sub>16</sub><br>(141) | 1 <sup>3</sup> / <sub>4</sub><br>(44) | 1 <sup>7</sup> / <sub>32</sub><br>(13) | 5/ <sub>16</sub><br>(8) | 1/ <sub>16</sub><br>(1.6) |



### Slim Long-Nose with Smooth Jaws

Similar to D307-5<sup>1</sup>/<sub>2</sub>C, but with smooth inside jaws and radiused jaw edges to prevent nicking wire. With coil spring. Plastic-dipped handles.

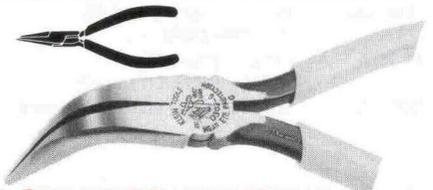
| Cat. No.                             | A                                       | B                                     | C                                      | D                       | F                         |
|--------------------------------------|---|---------------------------------------|--|-------------------------|---------------------------|
| D327-5 <sup>1</sup> / <sub>2</sub> C | 5 <sup>9</sup> / <sub>16</sub><br>(141) | 1 <sup>3</sup> / <sub>4</sub><br>(44) | 1 <sup>7</sup> / <sub>32</sub><br>(13) | 5/ <sub>16</sub><br>(8) | 1/ <sub>16</sub><br>(1.6) |



### Slim Long-Nose with Side Cutters

Needle tip only 1/<sub>32</sub>" in diameter for precise assembly work. Side cutters permit bending, forming and cutting with a single plier. Knurled jaws. With coil spring. Plastic-dipped handles.

| Cat. No.                             | A                                       | B                                     | C                                      | D                       | E                        | F                        |
|--------------------------------------|---|---------------------------------------|--|-------------------------|--------------------------|--------------------------|
| D221-5 <sup>1</sup> / <sub>2</sub> C | 5 <sup>9</sup> / <sub>16</sub><br>(141) | 1 <sup>3</sup> / <sub>4</sub><br>(44) | 1 <sup>7</sup> / <sub>32</sub><br>(13) | 5/ <sub>16</sub><br>(8) | 7/ <sub>16</sub><br>(11) | 1/ <sub>32</sub><br>(.8) |



### Curved Long-Nose

Nose curved to approximately 70° angle for working around obstructions and in hard-to-reach spaces. Provides full view of work area. Knurled jaws. Plastic-dipped handles.

| Cat. No. | A                                      | B                                     | C                                      | D                       | F                       |
|----------|--|---------------------------------------|--|-------------------------|-------------------------|
| D302-6   | 6 <sup>1</sup> / <sub>4</sub><br>(159) | 1 <sup>1</sup> / <sub>2</sub><br>(38) | 1 <sup>1</sup> / <sub>16</sub><br>(17) | 3/ <sub>8</sub><br>(10) | 3/ <sub>32</sub><br>(2) |

See catalog section on Insulated Tools for insulated pliers.



## Introduction



### Quality... since 1857.

Klein pliers feel right and work right. They are job-matched for every kind of work you do. Designed and built to exceptional quality standards in a tradition that dates back to 1857. Klein specializes in the making of the world's finest pliers... pliers that professionals can trust completely... with good reason.

All Klein pliers are made of the finest steel alloy. They are drop-forged, hardened, and carefully tempered to assure maximum strength, problem-free performance, and exceptional durability.

All mating surfaces and design dimensions are precision machined to extremely close tolerances for faultless performance. Pliers halves are matched side to side, jaw to jaw, and hot riveted for uniformly-smooth opening and closing action. Cutting knives are manufactured for long-lasting edges and perfect alignment.

The cutting knives on all Klein pliers are designed to meet according to the way each is used. The knives meet first where the most cutting is done. Side cutters and long nose pliers with side cutters have knives that meet at the hinge first and meet at least one-half of the knife length. Klein diagonal cutters meet at the tip and meet at least one-half of the knife length. These two knife-closing designs are also intended to increase knife life and facilitate sharpening.

Klein pliers are comfortable to use with contoured handles which are sized and shaped for efficient use. Virtually all pliers are available with plastic-dipped handles for better gripping and added comfort.

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

Klein offers a complete line of pliers and cutters which includes:

- Side-Cutting Pliers
- Diagonal-Cutting Pliers
- Long-Nose Pliers
- Duck-Bill Pliers
- Electronics Pliers
- Clean-Room Electronics Pliers
- Special-Purpose Pliers
- Pump Pliers
- Pocket Tool Kits
- Slip-Joint Pliers
- Locking Pliers
- Wire-Stripping, Crimping & Cutting Pliers
- Cable Cutters
- Bolt Cutters

If you don't find the type or size of Klein pliers to meet your specific requirements, contact us to discuss your needs. We make many special pliers for a variety of applications.

### The right pliers for every job.

Each type of pliers does its own particular job better than any other type. And Klein makes so many kinds of pliers because there are so many kinds of jobs to be done. Choosing the right pliers helps you do the job at hand more efficiently.

The professional takes his job—and his tools—seriously. He will equip himself with every kind of pliers he needs because he knows this small investment will pay off continuously in saved time and professional results.

### Using pliers.

The professional knows all the rules about using pliers. He has heard them or read them or learned them through experience. A review of the following reminders, however, may help you recall any you may have forgotten, and thus, will have been more than worthwhile.

- 1. Never use pliers to do another tool's job.** Pliers should not be used as a hammer or a pry tool or a wrench. Using pliers instead of the proper tools risks damaging the pliers, 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 them 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. To each it's own.
- 3. Never expose pliers to excessive heat.** Direct flame on metal can draw the temper and 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. It's easy to forget to wear them. It's a big bother to put them on for "just one cut." Excuses do not make any sense. They're not the professional's way... the safe 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 somebody else. Think about the "other guy" as well as yourself.
- 8. Never depend on plastic-dipped handles to insulate you from electricity.** Plastic-dipped 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.
- 9. Always wear approved eye protection such as protective goggles or a face mask.**