

Neuses Tools Product Catalog



Neuses Tools
P.K. Neuses, Inc.



P.K. Neuses, Inc.
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Product Catalog 401A



Neuses Tools

Over 40 Years of Quality Service & Manufacturing Support

THE TRADITION CONTINUES WITH THE THIRD GENERATION.

It is our guarantee to continue to produce the quality tools and supplies you have come to expect from Neuses Tools. When you manufacture tools for as long as we have it becomes second nature, you just know if a tool or part is made correctly. While we are always looking for ways to improve our products, we won't compromise our reputation to save a few dollars.

ORDERING AND DROP SHIPMENT INFORMATION.

Payment Terms: Net 30 Days for customers with pre-approved credit. All others may specify Visa, MasterCard, American Express or C.O.D.

Minimum Order: \$50.00. All orders below minimum will be assessed a service charge to equal \$50.00. Distributors: please refer to discount sheet.

Drop Shipments: There is no charge for drop shipments, but please limit one shipping location per invoice.

NEW PRODUCT WARRANTY

P.K. Neuses, Inc. has manufactured the finest quality hand tools for over 40 years. As a small family-owned and operated business, all employees are dedicated to maintaining the highest standards of excellence and service.

All of our manufactured products are designed, built and engineered to provide precise and trouble-free performance for many years. They are fully guaranteed when used for the purpose intended. Whether we serve as a distributor or agent, that product is covered under the manufacturers' warranty.

Prices subject to change without notice.

For more information on any Neuses product, please call us at **847-253-6555** or **Fax 847-253-6652**.

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Stamp your mark anywhere on anything. With compact, portable, easy-to-use, Numbering & Lettering Kits!



The N-2315 and N-2315A (include the 5/64" (1.9mm) peg stamp set) contain everything needed for permanent marking, numbering or lettering on switchboard panels, terminal boxes, sub-assemblies, chassis, etc. It's ideal for marking wire, cables or wherever permanent, easy-to-read marking is required. Painstakingly hand-crafted in the United States from the finest materials available. For production marking or for those who need a faster drying time we recommend drying accelerator (N-2884) which mixes easily on the job site. All components fit securely in a lightweight, compact carrying case so you are always prepared for any alphanumeric marking application. A complete list of all replacement parts and supplies is readily available on request.

The N2315 and N-2315A Numbering and Lettering Kits include:

- High impact plastic carrying case: L19" x W10" x D9 1/4" (48.3cm x 25.4cm x 23.5cm)
- Peg stamps: 3/4" (19mm)=N-1382, 3/8"

(9.5mm)=N-1721, 1/4" (6mm)=N-2706, 3/16" (5mm)=N-1378, 1/8" (3.2mm)=N-1379, and 5/64" (1.9mm)=N-1564.

- Stamp repair set: Adhesive backed letters, numbers and symbols in the following sizes: 3/8" (9.5mm), 1/4" (6mm), 3/16" (5mm), 1/8" (3.2mm)=N-2567. Repair with 5/64" (1.9mm)=N-2567A.
- Fuse capacity stamps: 3/8" (9.5mm) and 3/16" (5mm)=N-2467.
- Stamping ink (two of each per kit): Black-N-2880, White-N-2881, Yellow-N-2882, Vermilion (red)-N-2883
- Additional components: Spreading knife-N-1060, Marking remover-N-2121, Brushes (4)-N-2119, Inking plate-N-1373, Bottle w/dauber-N-1982.

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Neuses Tools

As long as there have been relays, there has been a need for specially designed tools to aid in making periodic adjustments. In order to clean, check,

adjust and trouble-shoot all types of relays most efficiently and effectively, a comprehensive set of tools designed for that purpose is needed.

Our Most Popular Relay Service Kit

TK-18 RELAY SERVICE TOOL KIT

The Kit includes everything needed to clean, adjust and maintain relays in a convenient folding vinyl case with pockets. The 20-page instruction booklet "How to Adjust and Maintain Relays" is included in every TK-18 Tool Kit.



TK-18 Tool Kit—Vinyl case, instruction booklet and one each of the following tools:

- | | | | | | |
|------|-------|------|--------|--------|---------|
| SA-6 | SA-9 | N-50 | N-206 | N-376A | CB-5 |
| SA-7 | SA-18 | N-84 | N-207 | N-474A | N-82-13 |
| SA-8 | SA-32 | N-96 | SA-246 | N-3216 | N-1253 |

Designed For Those Who Won't Compromise

TK-29 RELAY AND SWITCH ADJUSTING TOOL KIT

A professional kit for maintaining relays, contacts, switches and controls. Includes a wide variety of test connecting tools, the famous guide pin screwdriver and a wire unwrapping tool. Tools are made of the highest quality steel, guaranteeing long life and top efficiency. Comes in compartmentalized padded vinyl case with nylon, self-repairing zipper. Tool kit consists of one each of the following tools, except where otherwise indicated.



- | | | | | | | |
|-------|---------|----------|-----------|--------|--------|-----------|
| SA-7 | N-9B(2) | P-13 | N-360A(6) | N-416B | N-150 | N-3328 |
| SA-8 | N-24 | N-504-34 | N-360B(6) | N-419A | N-1253 | N-6320(2) |
| SA-9 | N-72 | N-206 | N-360C(6) | N-474A | N-2348 | N-9R(2) |
| SA-18 | N-82-25 | N-207 | N-376A | CB-5 | N-3216 | |
| SA-32 | N-96 | 3-316(5) | N-415B | | | |

Compact, Economical Relay Service Kit

TK-10 RELAY SERVICE TOOL KIT

A carefully selected and designed group of tools for use by the electronic and tele-communication industries. This specially designed, economical and compact relay tool kit will fit easily into a serviceman's pocket or tool box. It contains the major tools essential for adjusting, calibrating and servicing relays, contacts and most other electro-mechanical equipment. All tools are constructed of quality steel for most accurate and delicate work. Handy and durable vinyl case, for full protection, contains one each of the following tools, except where otherwise indicated.



SA-8	N-24	N-206	N-416B	N-3328
SA-9	N-82-13	3-316(5)	N-504-34	N-6320(2)

A collection of Quality Cable Tools

TK-2 CABLE TOOL KIT

A complete set of tools specifically designed for cable sheath slitting, ring cutting, lacing, sewing, parallel drop wire slitting, switch or panel board terminating—everything needed for cable work.

The TK-2 Cable Tool Kit comes complete in a handy padded vinyl carrying case and is perfect for use in either the Central Office or in the field.

The kit consists of one each of the following tools. N-2878 Sheath Stripper, N-62267 Sheath Slitter, N-2060 Ring Cutting Tool, N-287 Curved Sewing Needle, N-287-7S Straight 7" (17.8cm) Sewing Needle for longer reach, N-2257 Wire Loop Lacing Needle, N-2500 Aerial Drop Wire Slitter and N-284 Straight Flat Metal Sewing Needle.





Neuses Tools

Comfort-Grip Cable Sheath Stripper

N-2878 CABLE SHEATH STRIPPER

For stripping the jacket from all sizes of plastic and fabric covered cable. Red, rigid, phenolic handle equipped with a razor blade at one end with an "L" shaped hardened steel guide and blade guard. Handle shaped to fit worker's hand and constructed so that hand is fully protected from skinned knuckles through contact with the cable jacket. Stainless steel saddle with heavy nickel plated screws and screw bushings hold the guide and blade in place.

Operator holds Cable Sheath Stripper in one hand and guides cable with the other. Cable jacket is slit neatly and cleanly without damage to wire or insulation.

Blade may be reversed for new cutting edge. Two extra blades are carried in the slot under the name plate. Blades are standard injector blades—inexpensive, easily obtainable.



N-2878 Cable Sheath Stripper.
Size: 6" (15.2cm) x 3" (7.6cm).
Weight: 4 1/4 ozs. (120.5 grams).

N-2878B One Blade Guide Retainer.

N-2878H Pkg. of 6 blades.

Specially Designed Heavy-Duty Cable Sheath Slitter

N-62267 CABLE SHEATH SLITTER

For slitting most types of cable jackets. Especially good for most of the outdoor, heavy-duty types of cable sheathing.

The slender but tough and very sharp hook blade digs in between sheathing and wires, and with the side supports permits most accurate jacket stripping. Handles large and small diameter cables equally well. The forked ends of the tool are made of ductile aluminum and may be carefully bent (to expand the opening between forked ends) to fit many cable sizes.

The razor sharp hook lets you cut into cable at any point without previously notching, thereby avoiding hazard to wires inside and your hands.

An extra blade is included. Blades are easily changed. The two screws that hold the blade in cutting position also secure the extra blade with its cutting end protected until put into position for use.



N-62267 Cable Sheath Slitter with 2 blades.
Size: 6" (15.2cm) x 1 1/2" (3.81cm).
Weight: 2ozs. (56.7 grams).

N-62267A Pkg. of 6 blades.

Specially Designed for "Ring" Cutting of Sheathed Cable!

N-2060 OR N-2060-18 CABLE TOOL

For "ring" cutting the sheathing of inside type plastic, fabric or rubber covered cable. Cut through sheathing limited to .031" (.787mm) or .018" (.457mm). This tool is most practically suited for the customary inside type 3/16" (4.76mm), 1/4" (6.4mm), 3/8" (9.5mm) or 1/2" (12.7mm) cables, but will handle thin sheathed cable up to 1" (2.5cm) in diameter. Cable is pushed into tool and against the spring. Back pressure holds the cable against the cutting blade. An accurate .031" (.787mm) or .018" (.457mm) deep cut is made when the tool is rotated around the circumference of the cable.



N-2060 Cable Tool is often used with the **N-62267** Cable Sheath Slitter, to slit the sheathing lengthwise after the circular cut.

N-2060-MS

The modified spring handle and the .018" (.457mm) blade makes this new ring cutter handle those small cable and wire sizes easily. Neuses springs are interchangeable with Neuses **N-2060** handles, you can also change springs and blades to handle a wide variety of cable and wire sizes.



N-2060A Pkg. of 6 blades.

N-2060-18A Pkg. of 6 blades.

N-911

Smooth positive cutting action gives clean cuts with minimum cable distortion, heat treated for durability, Channellock blue comfort grips OAL 9 1/2" (24.1cm).



N-553A (Weco.553A) One piece birch hardwood handle varnished for long service life. Bayonet-type "fingers" stamped from high quality black oxidized steel firmly and gently grasp miniature lamps. Area of lamp grasp is limited to 3/8" (9.5mm) to prevent shorting. Grasp lever includes a return spring for fast lamp insertion and removal. OAL 4 3/8" (11.1cm), 1/2" (12.7mm) handle diameter.



N-T1 Micro-Miniature Extractor-Specially designed for those "grain of wheat" lamps of 1/8" (3.2mm) diameter (T-1 type) with wire terminal bases. Safely extracts the micro-miniature lamps as well as lamp caps from control panel assemblies. Features the same specifications as the **N-553A** extractor but has a specially designed front end receiver for the micro-miniature lamps.





Neuses Tools

Clean Contacts Without Chemicals

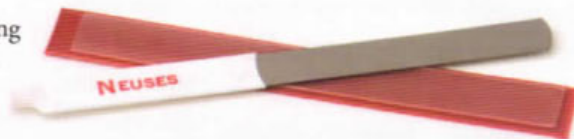
"Non-Residual" contact burnishers leave no filings, grit, dust or film on contacts to start a new carbonaceous build-up. They are economical and flexible, with enough stiffness to apply the right pressure to the contact face offering minimum wear on costly contacts.

Insulated plastic handles eliminate possible shocks or shorts when working on live contacts. These burnishers have been proven successful by leading manufacturers as the only tool to use in cleaning contacts for longer life and fewer service complaints.

3-316 Overall length is 3" (7.62cm). 3/16" (4.76mm) width by .007" (.178mm) thickness lets you get into cramped places. For peak performance, each tool is in a vinyl case for protection from grease and moisture. Standard package contains 50 contact burnishing tools.

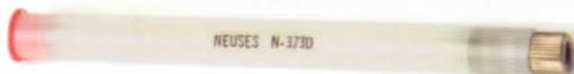
3-316S-10 Sample trial package of 10.

N-318 (Pictured) Heavy duty type with 33% greater burnishing area. Blade is 1/4" (6.00mm) wide, .010" (.255mm) thick and 3 1/4" (8.25cm) long. Standard package contains 50.



N-318S-10 Sample trial package of 10.

N-373D (Weco.373D) For holding and storing **N-374A, B** and burnisher blades. Insulated handle with holding chuck.



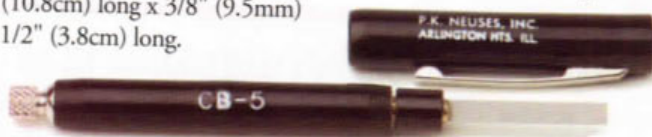
N-374A (Weco.374A) Burnisher blade for cleaning contacts. Use with **N-373D** holder. .018" (.457mm) thick, tapered ends.

N-374B (Weco.374B) Burnisher blade for use with **N-373D** holder. .018" (.457mm) thick, tapered ends.

PEN TYPE WITH REPLACEABLE BLADES

Handy and practical, with pocket clip and magazine of extra blades. Blades fit into chuck at end of barrel. Practically any degree of blade rigidity is possible by varying depth of blade in chuck. Reservoir for extra blades at other end. Black plastic barrel and cap permits working on live contacts. 4 1/4" (10.8cm) long x 3/8" (9.5mm) diameter overall. Blades are 11/64" (4.36mm) wide x 1 1/2" (3.8cm) long.

CB-5 Contact burnisher with 6 (**No.266B**) .007" (.178mm) thick blades. (Included in **TK-18** Tool Kit.)



CB-54 Same as **CB-5** except has 6 (**No.466B**) .0035" (.089mm) thick blades.

CB-6 Same as **CB-54** except also contains 6 (**No.266C**) round ended abrasive rods.

CB-7 Same as **CB-5** except has 6 (**No.566B**) smooth satin finished blades.

266B Package of 100 - .007" (.178mm) blades.

266BM-25 Minimum package 25 - .007" (.178mm) blades.

266C Abrasive rods for cleaning contacts. 1 1/4" (3.17cm) long x .022" (.559mm) diameter with mildly abrasive ends. Fits **CB-5** or **CB-54** Minimum package 50 rods.

N-266E .004" (.102mm) thick burnisher blades. Fits our **CB-5** and **CB-54** holders.

N-266E-25 Minimum package 25 - .004" (.102mm) blades.

466B Package of 100 - .0035" (.089mm) blades.

466BM-25 Minimum package 25 - .0035" (.089mm) blades.

566B Satin finished blades .007" (.178mm) for **CB-7**. Package of 100 blades.

566BM-25 .007" (.178mm) satin finished blades for **CB-7**. Package of 25 blades.



Contact Burnishers



TW-427 HEX SOCKET WRENCH

Large six flute handle provides plenty of gripping power. Terminal wrench has 3/8" (9.5mm) and 7/16" (11.1mm) hex openings and are 1 1/2" (3.7cm) deep. Sockets are heat treated and nickel plated for durability and longer service life. Overall length (OAL) 5 5/8" (14.29cm).



N-311 HEX SOCKET WRENCH

3/8" (9.5mm) and 7/16" (11.1mm) hex socket wrench. Note slim 11/16" (17.5mm) OD handle for reaching into narrow openings. Has hollow shafts for tightening a series of nuts on long screws. Ends are insulated from each other. OAL 7" (17.8cm).



TB-536 TERMINAL/SECURITY WRENCH

Combination tool has 3/8" (9.5mm) hex opening and 5/32" (4mm) center hole for fast removal of tamper proof screws. The short version of the **TB-178**. Austempered and black oxidized. OAL 5 5/8" (14.29cm).

N-109CT SECURITY BOOTH CLEANING TOOL

Cleaning tool for 5/32" (4mm) tamper proof screws. The shaft is ground for cleaning rust and dirt from screw center, the stiff brush is then used to insure a tight fit when using the booth wrench. OAL 8 1/8" (20.6cm).



TW-69 HEX SOCKET WRENCH

Features the deep sockets of the **N-311** and the larger handle of the **TW-427**. Sockets are insulated from each other and nickel plated. OAL 9" (22.9cm).



Neuses Tools



N-109 SECURITY BOOTH WRENCH

Designed for pinned 5/32" (4mm) Allen type tamper proof screws. Medium size handle for greater torque control, shaft is austempered (heat treated) and black oxidized. OAL 8 5/16" (21.1cm).



TB-178 TERMINAL/SECURITY WRENCH

Combination tool has 3/8" (9.5mm) long hollow shaft socket and 5/32" (4mm) booth wrench. Used for quick access into network interfaces etc. OAL 8 5/8" (21.8cm).

N-474A (Weco.474A) Box wrench, 2 3/8" (6.1cm) long, offset, 1/4" (6.4mm) and 3/16" (4.8mm) hex.

N-476A (Weco.476A) Hex socket wrench for 3/16" (4.8mm) nuts used in adjusting armature mounting screws of 247 and 248 type relays.

N-24 (Stromberg 24) Screwdriver and double socket wrench 1/4" (6.4mm) and 3/16" (4.8mm) hex.

N-48 (Weco.48) (Aeco.H-883772-1) Screwdriver and double socket wrench 7/32" (5.6mm) and 1/4" (6.4mm) hex.

N-72 (Weco.72) Screwdriver and double socket wrench 3/16" (4.8mm) and 5/32" (4.0mm) hex.



N-74 (Weco.74) Double open end wrench 5/32" (4.0mm) and 7/32" (5.6mm).

N-43 (Weco.43) Double open end wrench 3/16" (4.8mm) and 1/4" (6.4mm).

N-110 (Weco.110) Double end socket wrench for 9/32" (7.2mm) and 5/16" (8.0mm) hex nuts.



N-417A (Weco.417A) Double open end wrench 1/4" (6.4mm) and 3/8" (9.5mm), 15°.

N-418A (Weco.418A) Double open end wrench 7/32" (5.6mm) and 5/16" (8.0mm), 15°.

N-3216 Open end wrench, 3" (7.6cm) long, 1/4" (6.4mm) opening at 15°, 7/32" (5.6mm) opening at 60° end.

N-389A (Weco.389A) Curved “dial bank” cleaning brush, has a unique shape for those tough cleaning jobs. OAL 5 13/16” (14.7cm).

N-389B Brush head only.

N-2969 (Weco.R2969) Versatile nylon cleaning brush, has hundreds of uses. OAL 6” (15.2cm). Package of 10.

N-8139SB Two-sided all purpose cleaning brush with heavy duty stainless steel bristles on one side and mar resistant brass bristles on the other. OAL 7 1/8” (18.1cm).

N-8140SN Two-sided all purpose cleaning brush with heavy duty stainless steel bristles on one side and durable nylon bristles on the other. OAL 7 1/8” (18.1cm).



N-14162 (Weco.KS14162) Number Two artist brush. OAL 11” (27.9cm). Package of 10.

N-14164 (Weco.KS14164) Number Four artist brush. OAL 11” (27.9cm). Package of 10.

Test Connecting Tools

N-411C (Weco.411C) Adjustable test probe, insulated handle.



N-136B (Weco.136B) Cut-over tool for holding the armature of flat type relays in either the operated or non-operated position. Package of 10.

No.360 Type—Nos. 360A, 360B and 360C: spring chucks. Used in conjunction with **Nos. 361B, 364, 365** or **419A** tool: arranged to attach to **Nos. 893, W1C, W1H, W1J, W1L, W1M** or similar cords. Shells of insulating material colored as indicated: **360A-Red, 360B-Black, 360C-White.**

N-364 (Weco.364) Spade terminal for use with portable testing equipment.

N-365 (Weco.365) Connecting clip used with **No.360** connectors for portable testing equipment.

FAMOUS GUIDE-PIN SCREWDRIVER

N-2348 (Weco.KS-2348) (Aeco.H-883182-1) Screw guiding screwdriver for small “hole-in-head” screws. Retractable guide pin simplifies screw insertion and removal.



N-2348B Replacement screwdriver blades for **N-2348** screwdriver.

N-2348J Pointer and shaft assembly.

N-419A (Weco.419A) Test connector, used with **No. 360** type tools for test connections to spring and relay terminals.



Neuses Tools

N-2348 (Weco.KS2348) (Aeco.H-883182-1)

Screw guiding screwdriver for small "hole in head" screws. Guide pin retracts $9/32"$ (7.1mm) to position screwdriver for fast screw insertion and removal. Barrel is knurled for a sure grip, blade is reversible. OAL $4\ 19/32"$ (11.7cm).



N-2348B Replacement Blade for **N-2348**.

N-2348J Pointer and shaft assembly.

N-790 Offset 90° Phillips #1 screwdriver is heat treated and nickel plated. OAL 11" (27.9cm).



N-791 Offset 45° Phillips #1 screwdriver is heat treated and nickel plated. OAL 13" (33cm).



N-206 (Weco.206) Offset screwdriver 90° for mounted relay screws and general use. Blade ends $.028"$ (.711mm) thick and $1/4"$ (6.35mm) wide.



N-207 (Weco.207) Offset screwdriver used with **N-206** for mounted relay screws and general use. Blade ends $.028"$ (.711mm) thick and $1/4"$ (6.35mm) wide.



N-YOHO Safety Screwdriver for slotted $1/32"$ (.79mm) to $1/4"$ (6.35mm) screws, will not slip off screw head like regular screwdrivers. Insulated handle. OAL 7" (17.8cm).

N-1253 Screwholding screwdriver, split wedge type. OAL 5" (12.7cm).



N-1734 Same as **N-1253** except larger size. OAL $6\ 1/2"$ (16.5cm).

NON-MAGNETIC STAINLESS STEEL BLADES

N-82-SS-25 Thickness gauge set. Same as **N-82-25** except $.0015"$ (.038mm) to $.010"$ (.254mm) blades are of Type 301 non-magnetic SS blades. $.011"$ (.279mm) to $.025"$ (.635mm) are standard (magnetic) thickness gauge steel. On **N-131R** ring.

N-82-SS Individual non-magnetic SS leaves available. $.0015"$ (.038mm), $.002"$ (.051mm) to $.010"$ (.254mm). $4\ 7/16"$ (11.3cm).



$4\ 7/16"$ (11.3cm)

Durable Cable Lacing and Sewing Needles in Assorted Sizes

N-2257 CABLE LACING NEEDLE

Long wire loop cable lacing needle with anodized aluminum handle. OAL 8" (20.3cm).



N-287 SEWING NEEDLE

(Evans type) Curved notched sewing needle with anodized aluminum handle. OAL 5 5/8" (14.29cm).



N-287-7S SEWING NEEDLE

Cable sewing needle similar to N-287 except has straight notched blade. OAL 7" (17.8cm).



N-287SL SEWING NEEDLE WITH CUTTING SLOT

Cut away handle and ground needle produce a cutting edge for cord, twine, etc. OAL 5 5/8" (14.29cm).



N-287INS SEWING NEEDLE INSULATED

Fully insulated with heavy walled polyvinyl chloride tubing, after the tool is assembled a non-shrink contoured end cap insulates the main screws and can be quickly removed for blade changes. OAL 5 5/8" (14.29cm).



REPLACEMENT BLADES

N-2257A Package of 6 wire loops.

N-287A Package of 6 curved blades.

N-287-7SA Package of 6 straight blades.

N-287SLA One cutting edge blade.

N-287INS For blades please reorder N-287A.

For pre-shrunk insulation N-287INSA

N-284 STRAIGHT METAL NEEDLE (CHICAGO TYPE).

Intended for use as a cable sewing needle, 1/64" (.39mm) thick. OAL 12" (25.4cm).





Neuses Tools

N-724A WIRE REMOVAL TOOL

(Aeco.10731-A) Wire removal tool for quick connect terminal blocks. Black heavy walled polyvinyl chloride tubing insulates handle. Slot width .050/.053 (1.27mm/1.35mm) OAL 5 1/2" (14cm).



N-2500 AERIAL DROP WIRE SLITTER

Gives optimum performance with minimum of effort, even at low temperatures, on any parallel 2-conductor cable. Easy-to-use—slip cable into slot and pull. Rollers immediately place cable in parallel position and knife blade cuts through the exact center between the conductors. Cut made straight and even—wires remain fully insulated. OAL 3 5/8" (9.2cm).



N-2500A Package of 3 blades.

N-3328 UNWRAPPING TOOL

Hand operated tool for removal of 22 or 24 gauge wire from terminals. Retractable sleeve protects extractor head. Insulated handle and tip. OAL 6 3/8" (16.2cm).



N-2830 COMBINATION UNWRAP AND PICKER TOOL

Working ends are made of stainless steel for 28-30 gauge wire. Unwraps right and left hand connections. Picker end has a correctly-designed pick for lifting unwrapped wires safely without damaging insulation or neighboring connections. OAL 5" (12.7cm).

N-647 BARE WIRE STRAPPING TOOL

Use to speed and simplify strapping bare wire from terminal-to-terminal. Tool is held in the hand like a pencil—gives fingertip accuracy and consistency reduces unnecessary hand movements. Feed No.22-gauge wire (or similar size) directly from the spool through center hole running full length of the tool. Lead wire into back end-feed out directly to the work from the insulated front end. OAL 6" (15.2cm).

Channellock's Wire Tools

N-3036 This 6" (150mm) long nose pliers are polished high carbon drop forged steel and include Channellock blue comfort grips.



N-349 Channellock's wiremaster lineman's pliers have perfectly mated cutters, heat treated to hold it's edge and polished high carbon drop forged steel include blue comfort grips. OAL 9" (225mm).



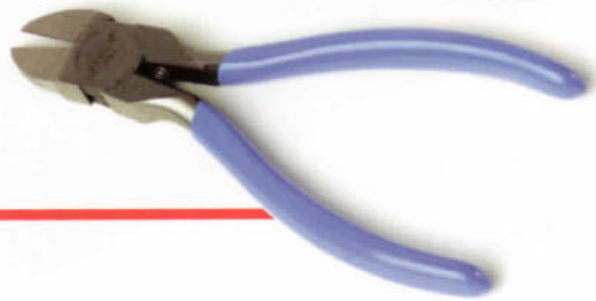
N-909 Channellock's crimping and cutting tool for both insulated and non-insulated solderless connections and terminals. Includes blue comfort grips. OAL 9 3/4" (248mm)



N-958 Strips insulation fast with no damage to wire. Cuts and strips wire with scissor-type precision blades, heat treated for longer life. For wire sizes 10 (2.6mm), 12 (2.0mm), 14 (1.6mm), 16 (1.3mm), 18 (1.0mm), 20 (.80mm). OAL 6" (15.5cm)



N-486S These Channellock's cutting pliers have perfectly mated cutters, heat treated, polished high carbon drop forged steel and blue comfort grips. OAL 6" (15.5cm).



Adjuster Tools

SPRING ARMATURE, ETC.



3 1/4" (8.3cm)

SA-6 (Aeco.H-88502-1) Adjuster, armature with oblique slots tapered from .115" (2.92mm) to .130" (3.30mm) wide by .047" (1.19mm) deep.



3 1/4" (8.3cm)

SA-7 Adjuster, armature with oblique slots .088" (2.23mm) wide by .047" (1.19mm) deep.



3 1/4" (8.3cm)

SA-8 (Weco.597A) (Aeco.H-14768) Adjuster, armature with 3 oblique slots. 1094" (.278mm) wide by .047" (1.19mm) deep.



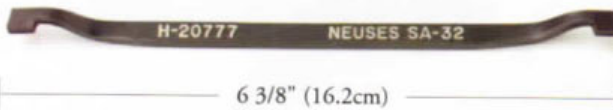
5" (12.7cm)

SA-9 (Aeco.H-14769) Armature stop adjuster with .064" (1.62mm) slots stepped down to .032" (.812mm) each end.

Neuses Tools



SA-18 (Aeco.H-42873) Spring adjuster, offset with .018" (.457mm) lengthwise slots.



SA-32 (Aeco.H-20777) Spring adjuster, offset with .032" (.812mm) lengthwise slots.

N-214A (ITT 214A) Similar to **N-363** except has .018" (.457mm) slot 7/16" (11.1mm) deep. OAL 5 7/16" (13.8cm).



SA-246 (Aeco.H-24600-1) Adjuster tool. .040" (1.01mm) and .028" (.711mm) slots.



N-363 (Weco.363) Adjuster tool with 1/8" (3.2mm) round shank tapering down to .018" (.457mm) wide slot that is 3/16" (4.8mm) deep.

N-363B (Aeco.363B) Similar to **N-363** except has .022" (.559mm) slot 13/64" (5.2mm) deep and 22° offset. OAL 6 5/8" (16.8cm).



N-390 (Aeco.H88390-1) Double end adjuster, type 26 for lever key adjusting. Slot sizes .034" (.863mm) and .023" (.584mm).



N-415B (Weco.415B) Contact spring adjusting tool. Intended for use in the maintenance of horizontal type relays in step-by-step dial telephone systems. .020" (.508mm) slots.

N-416B (Weco.416B) Same as **N-415B** except has .035" (.889mm) slots. OAL 3 1/2" (8.89cm).



N-493 (Automatic Electric BT-900493-SP) Insertion tool for AMP "Spanish terminal". 3 1/2" (8.89cm) long. For use when inserting the spade terminal leads into the quick-connect terminals.

SPRING, ARMATURE, ETC.



5" (12.7cm)

N-504-34 (Aeco.H-88504-1) Same as **N-504-18** except has .034" (.863mm) slots.



6 1/2" (16.5cm)

N-505A (Weco. 505A) Spring adjuster .014" (.355mm) slot. Insulated handle.



6 3/4" (17.1cm)

N-516 (Aeco. 12861) Chisel edged, double ended spring adjuster with .016" (.406mm) wide offset lengthwise slots.



6 1/4" (15.9cm)

N-534 (Weco. C-653431) Double ended adjuster with smoothly polished slots .034" (.863mm) wide x 1/4" (6.4mm) deep for contact and multiple springs of crossbar switches. Insulated handle.



5" (12.7cm)

N-536 (Aeco. 18621) Chisel edged, single ended spring adjuster with .036" (.914mm) wide slot, lengthwise.



4 7/16" (11.3cm)

N-1667 Double end adjuster tool, one end crosswise cut, other end chisel edged. Both ends .031" (.787mm) wide slot. OAL 6 1/2".



4 1/2" (11.4cm)

N-19945 Double end adjuster for 400 type relays .017" (.431mm) slots.

N-19946 Double end adjuster for 400 type relays, same as above except .035" (.889mm) slots.



6 5/8" (11.3cm)

N-58 (ITT 58) (770) Double end spring adjuster 1/4" (6.4mm) offset .023" (.584mm) and .025" (.635mm) slots.



Neuses Tools

Spring Tension Gauges

Exceptionally Accurate for Setting or Checking Tension of Relays and Other Springs

WELL MADE • ACCURATE CALIBRATED DEFINITE AND DEPENDABLE • EASY TO HOLD

Construction-Non-magnetic stainless steel frame with scale calibrated front and back. Indicating spring. Folding handle. Adjustable tension attachment.

N-10 (Weco.70F) 10-0-10 grams, 1 gram steps.

N-30 (Weco.70H) 0-30 grams, 2 gram steps.

N-50 (Weco.70D) 50-0-50 grams, 5 gram steps. (Included in **TK-18** Tool Kit).

N-150 (Weco.70J) 0-150 grams, 5 gram steps.

N-300 0-300 grams, 10 gram steps.

All of above 4 1/2" x 1 3/4" (11.4cm x 4.5cm).



FOR HEAVIER SPRINGS

N-700 (Weco.62B) 0-700 grams, 50 gram steps. 7 7/8" x 1 3/4" (19.8cm x 4.3cm).

N-1200 0 to 2 3/4 lbs. in ounces, and 0-1200 grams in 100 gram divisions. 9 3/8" x 2 1/4" (23.8cm x 5.3cm) (STG-2-Z).

N-2000 0 to 5 lbs. in ounces, and 0-2000 grams, in 100 gram divisions.

9 5/8" x 2 1/4" (24.3cm x 5.3cm).



N-860 Wire Lashing Grip is an excellent aid in securing lashing wire to suspension strand before releasing tension in the lashing wire. The jaws are constructed of black hardened steel and notched to hold the wires in place. The red fluted handle is solid plastic, insuring good insulation for hot line work.



N-456 Midget Saw. One of the most versatile tools that can be carried for those many times when a saw is needed. It's small, compact and is only 9 1/2" (24.1cm) long x 2 1/2" (6.4cm) high, with a 6" (15.2cm) blade. The saw can be carried in either pouch or toolbox. For package of 3 blades order **N-456A**.

N-376A (Weco.376A) Inspection mirror, magnifying. Has 1/4" (6.4mm) diameter handle with 1 1/8" (2.9cm) diameter mirror on 45° angle.



N-376B (Weco.376B) Same as above but with 3/4" (19.1mm) mirror.

N-6320 (Weco.KS6320) Orangewood stick. Package of 10 pieces.



N-120 Pull "Teletype" style tool for relay coil springs or any other "reach-in" use.

N-125 Push, same as above except push type.

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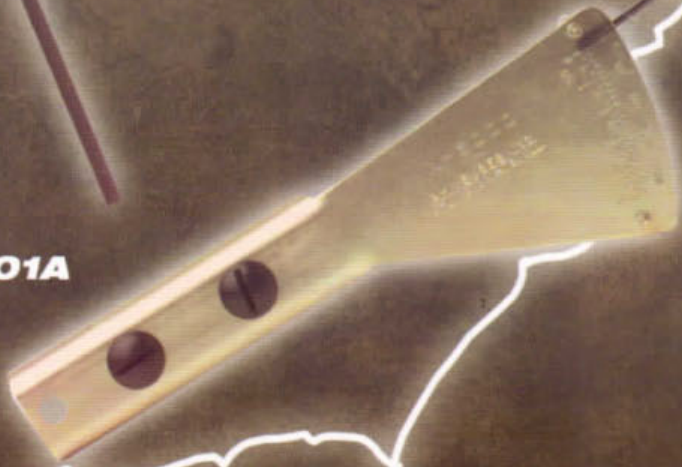
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