

BERNSTEIN-Pliers are made from specially selected top-quality special steels. The blanks are drop-forged and are then further processed in accordance with the latest production techniques.

BERNSTEIN pliers are oil-hardened and all cutting pliers additionally undergo subsequent induction hardening. All pliers are carefully produced for the cutting capacities indicated, either with a side face for cutting hard and soft wire or without a side face for flush cutting soft wire only. The cutting capacities of all electronic pliers are indicated on the handles.

All BERNSTEIN pliers are guaranteed tools. Defective pliers will be replaced if they contain material or production defects.

Special design features

Most BERNSTEIN pliers for electronic engineers are produced with a **box joint**.

As a result of this expensive design, optimum parallel guiding edges is obtained and the service lives are long.

The production of a **lap joint**

or a **lay-on joint**

is made according to the type of pliers and the use.



Cutting shape and capacity

with side face (Semi Flush)

suitable for hard and soft steel wire as well as soft materials, e.g. copper wire. The result of the final cut is a pyramidal tip at the end of the wire

without side face (Flush)

nearly flush cut with finest cutting edges, only for soft steel wires and copper wires; cut slightly shock-resistant, the cut leaves a minimal rise at the end of the wire

fully without side face (Ultra Flush)

cut is absolutely flush due to extremely sharp cutting edges, only for soft steel and copper wires, being the ultimate in conformance to tough soldering and mechanical shock specification

special side face

for cutting glass fibre, e.g. Kevlar etc..



The lifetime of the cutting edges depends on the sharpness of the tips. The stronger the tips (fully without side face) the faster the wear. So far no flush and shock-resistant cut is required, it is better to take pliers with side face.

Finishes

BERNSTEIN-pliers are supplied as standard in the following finishes:

Bright-polished chrome-plated
Fine-polished and bright-burnished
Bright steel-polished
Nickel-plated
Burnished
Stainless, fine polished

Additional insulation or other types of finish are indicated by a suffix after the article number

Finish	No.suffix
chrome-plated, polished	without
with transparent hand-guard (=BERNSTEINIT-insulation)	-1
with transparent or coloured insulation	-2
with conductive black hand-guard	-13
nickel-plated	
with transparent hand-guard (=BERNSTEINIT-insulation)	-4
with coloured insulation	-6
steel-polished	
with conductive black hand-guard	-13
burnished	-10
with conductive black hand-guard	-7
with coloured insulation	-12
bright-burnished, and fine-polished	
with yellow-grey hand-guard	-14
with conductive black-yellow hand-guard	-15
Safety insulation	
VDE-safety insulation	-VDE
two-colour multilayered safety insulation	-VDE
ESD-insulations	
conductive black coating	-7
conductive black hand-guard	-13
conductive black-yellow hand-guard	-15

Only the finishes indicated in the descriptions of the pliers are available from stock, all other finishes are available on request.

Packing

All pliers are supplied in skin packs as standard. Packing in plastic bags can also be selected if required. Both are for recycling. Quantities of 10 pairs of pliers per type are packed in a 3-coloured covered box and are clearly labelled.





SPECIAL ELECTRONIC PLIERS EUROline-Conductive

Box joint 

Double leaf spring

High quality steel

Fine polished and bright burnished, for dazzle free working

Ergonomically formed bicoloured hand-guard from

conductive anti-slide material

The pliers of this program have been tested with good results by several testing laboratories adequate to DIN EN 61340-5-1, 61340-2-1, 61340-2-3 for work in ESD protected areas

CUTTING PLIERS

No.	Length		Finish	cutting capacity mm Ø			Weight g
	mm	inches		Copper-wire	Soft wire	Hard wire	

Mini side cutters EUROline-Conductive

with very slim, rounded head for finest operations

3-651-15	120	4 3/4	without side face	1.2	0.6	-	65
3-651-15 DR	120	4 3/4	without side face, with retaining spring	1.2	0.6	-	65

Mini side cutters EUROline-Conductive

with very slim, pointed head for finest operations

3-652-15	120	4 3/4	without side face	1.0	0.6	-	60
3-653-15	120	4 3/4	without side face, with special flat cutting edge	1.0	0.6	-	60

Side cutters EUROline-Conductive

with slim, rounded head,

3-654-15	125	5	with side face	1.5	1.0	0.4	70
3-655-15	125	5	without side face	1.5	1.0	-	70

Side cutters EUROline-Conductive

with slim, pointed head,

3-656-15	125	5	with side face	1.2	1.0	0.4	70
3-657-15	125	5	without side face	1.2	1.0	-	70

End cutters EUROline-Conductive

extremely slim, without side face, for precision work at points difficult to reach

3-671-15	130	5 1/8	straight	0.6	-	-	65
3-672-15	130	5 1/8	cutting edge 20° angular	0.6	-	-	70

Top cutters EUROline-Conductive

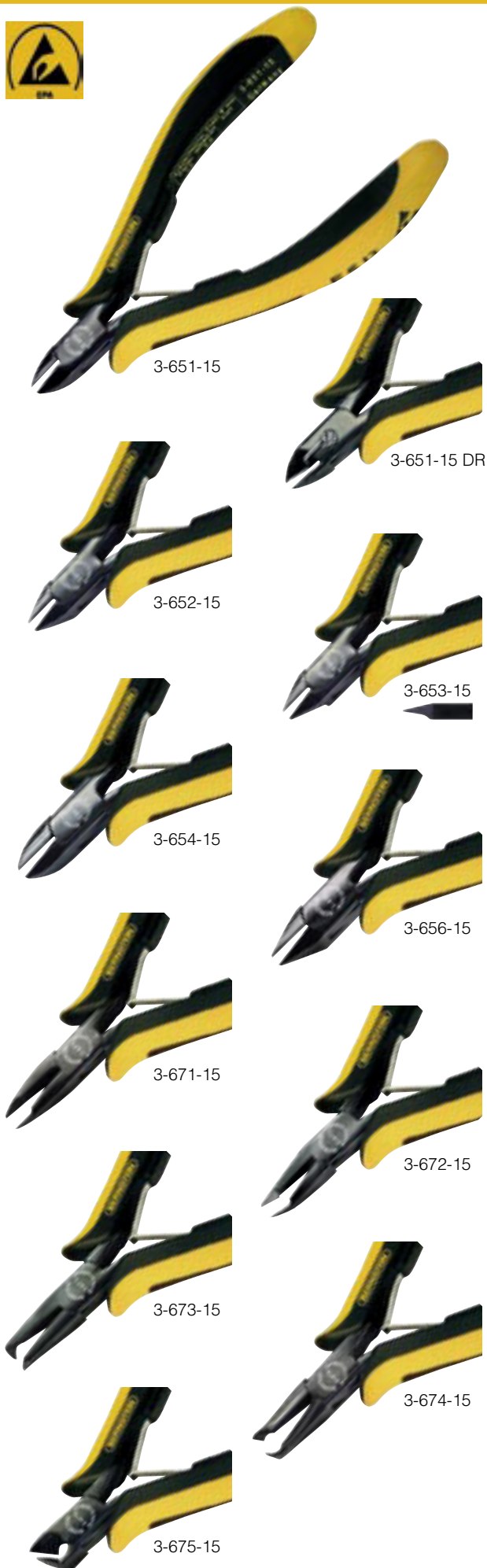
extremely slim, without side face, head 45° angular, for flush cutting directly in front of and behind the components.

3-673-15	130	5 1/8	cutting edge inside	0.6	-	-	60
3-674-15	130	5 1/8	cutting edge outside	0.6	-	-	60

Oblique top cutters EUROline-Conductive

cutting plane 29° angular, flush cutting for horizontal and vertical use

3-675-15	115	4 1/2	without side face	1.2	1.0	0.4	65
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SPECIAL ELECTRONIC PLIERS EUROline-Conductive

CUTTING PLIERS



No.	Length		Finish	cutting capacity mm Ø			Weight g
	mm	inches		Medium hard wire	Hard wire	Piano-wire	

Carbide mini side cutters EUROline-Conductive

for continuous heavy work, **with inserted carbide cutting edges**,
only for tough nickel and electrode wires

3-661-15	120	4 3/4	with side face very slim rounded head	1.2	1.0	0.6	70
3-663-15	120	4 3/4	with side face very slim pointed head with special flat cutting edge	0.6	0.5	-	65



3-661-15



3-663-15

Carbide oblique top cutters EUROline-Conductive

for continuous heavy work, **with inserted carbide cutting edges**,
cutting plane 29° angular, for horizontal and vertical use,
only for tough nickel and electrode wires

3-667-15	115	4 1/2	without side face	0.6	0.5	0.3	65
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3-667-15



3-665-15

Glas fibre mini side cutters EUROline-Conductive

for continuous heavy work, **with inserted carbide cutting edges**,
with special side face, **for cutting glass fibre only**, max. Ø 2.0 mm

3-665-15	120	4 3/4	very slim rounded head				70
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ROUND, FLAT, SNIPE NOSE PLIERS

No.	Length		Finish	Weight g
	mm	inches		

Round nose pliers EUROline-Conductive

extremely slim

3-681-15	130	5 1/8	short plain jaws	60
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3-682-15



3-681-15

Flat nose pliers EUROline-Conductive

extremely slim

3-682-15	130	5 1/8	short plain jaws	70
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3-688-15	130	5 1/8	short, ultra slim plain jaws	60
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3-683-15



3-688-15

Snipe nose pliers EUROline-Conductive

extremely slim

3-683-15	130	5 1/8	short plain jaws	70
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3-685-15	140	5 1/2	long plain jaws	70
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3-686-15	140	5 1/2	long serrated jaws	70
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3-687-15	130	5 1/8	short plain jaws, ultra slim pointed for precise handling of tiny components	70
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3-687-15



3-685-15



SPECIAL ESD ELECTRONIC PLIERS

Box joint 
Double leaf spring
Bright **steel-polished**
With **conductive** black hand-guard

CUTTING PLIERS

No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	inches		Soft wire	Hard wire	

Side cutters

with slim, rounded head, available with or without side face

3-601-13	120	4 3/4	with side face	1.0	0.4	70
3-602-13	120	4 3/4	without side face	1.0	-	70

Side cutters

with slim, pointed head, available with or without side face

3-603-13	120	4 3/4	with side face	0.8	-	65
3-604-13	120	4 3/4	without side face	0.8	-	65

End cutters

with angular tips and oblique cutting edge,
for flush cutting, for soft wire only

3-606-13	120	4 3/4	without side face	0.4	-	55
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ROUND, FLAT AND SNIPE NOSE PLIERS

No.	article	Length		Finish	Weight g
		mm	inches		
3-631-13	Round nose pliers	120	4 3/4	plain jaws	55
3-632-13	Flat nose pliers	120	4 3/4	plain jaws	60
3-633-13	Snipe nose pliers	120	4 3/4	plain jaws	60
3-634-13	Snipe nose pliers, angular	120	4 3/4	plain jaws	60

SETS OF ELECTRONIC PLIERS

3-650 BERNSTEIN Set of conductive pliers, 5 pieces
in a practical table support from antistatic material

Tool set: Weight: 350 g

No.	Description of individual tools
3-601-13	Side cutters , 120 mm, for hard wire up to 0.4 mm, for soft wire up to 1.0 mm
3-631-13	Round nose pliers , 120 mm, plain jaws
3-632-13	Flat nose pliers , 120 mm, plain jaws
3-633-13	Snipe nose pliers , 120 mm, plain jaws
3-634-13	Snipe nose pliers , angular, 120 mm, plain jaws

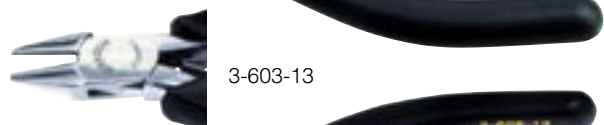
3-630 BERNSTEIN Set of conductive pliers, 3 pieces
in a wallet of recycable nylon

Tool set: Weight: 250 g

No.	Description of individual tools
3-601-13	Side cutters , 120 mm, for hard wire up to 0.4 mm, for soft wire up to 1.0 mm
3-632-13	Flat nose pliers , 120 mm, plain jaws
3-633-13	Snipe nose pliers , 120 mm, plain jaws



3-601-13



3-603-13



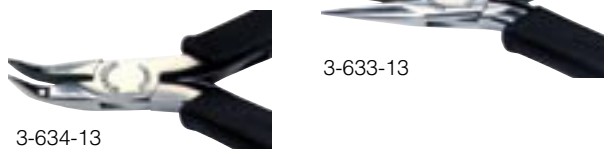
3-606-13



3-631-13



3-632-13




3-633-13

3-634-13



SPECIAL ESD ELECTRONIC PLIERS

Lap joint 
 Double leaf spring
 Bright polished - **chrome**-plated
 With **conductive** black handguard



CUTTING PLIERS

No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	inches		Soft wire	Hard wire	

Side cutters

with slim, rounded head

3-901-13	125	5	with side face	1.0	0.4	75
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Side cutters

with slim, pointed head and special flat cutting edge, for soft wire only

3-902-13	125	5	without side face	0.8	-	75
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Top cutters

with 3 mm wide cutting edge, jaw length 20 mm, for flush cutting, for soft wire only

3-905-13	135	5 1/2	without side face	0.8	-	85
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End cutters

with angular tips and oblique cutting edge, for flush cutting, for soft wire only

3-906-13	135	5 1/2	without side face	0.8		85
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ROUND, FLAT AND SNIPE NOSE PLIERS

Round nose pliers

3-931-13	130	5 1/8	plain jaws			80
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Flat nose pliers

3-932-13	130	5 1/8	plain jaws			70
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Snipe nose pliers

3-933-13	130	5 1/8	plain jaws			70
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SIDE CUTTERS, TELEPHONE AND COMBINATION PLIERS

Lap joint, bright polished – chrome-plated
 With **conductive** black handguard

Side cutters

swedish design

3-133-13	145	5 3/4	spezial-steel	2.5	1.25	155
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Telephone pliers snipe nose, long straight jaws, with cutting edges for hard wire

3-245-13	200	8	serrated jaws			180
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Combination pliers

with wire cutter, for hard wire

3-732-13	165	6 1/2	serrated jaws			185
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3-901-13



3-902-13



3-905-13



3-906-13



3-931-13



3-932-13



3-933-13



3-133-13



3-245-13




3-732-13



3-901-7

SPECIAL ESD ELECTRONIC PLIERS

Lap joint 
Black burnished, double leaf spring
With **conductive** black handguard



3-902-7

CUTTING PLIERS

No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	inches		Soft wire	Hard wire	

Side cutters

with slim, rounded head

3-901-7	120	4 3/4	with side face	1.0	0.4	65
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Side cutters

with slim, pointed head, special flat cutting edge,
for soft wire only

3-902-7	120	4 3/4	without side face	0.8	-	65
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Top cutters

with 3 mm wide cutting edge, jaw length 20 mm,
for flush cutting, for soft wire only

3-905-7	125	5	without side face	0.8	-	75
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End cutters

with angular tips and oblique cutting edge,
for flush cutting, for soft wire only

3-906-7	125	5	without side face	0.8	-	75
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3-905-7



3-906-7



3-931-7

FLAT-SNIPE NOSE PLIERS

No.	Length		Finish	Weight g
	mm	inches		

Round nose pliers with short jaws

3-931-7	120	4 3/4	plain jaws	70
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Flat nose pliers with short jaws

3-932-7	120	4 3/4	plain jaws	60
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Snipe nose pliers with short jaws

3-933-7	125	5	plain jaws	60
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Snipe nose pliers with long jaws

angular, slim model

3-945-7	145	5 3/4	serrated jaws	85
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3-931-7



3-932-7



3-945-7

SPECIAL ELECTRONIC PLIERS

Lap joint



Black burnished, Double leaf spring with orange coloured insulation

CUTTING PLIERS

No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	inches		Soft wire	Hard wire	

Side cutters

with slim, rounded head

3-901-12	120	4 3/4	with side face	1.0	0.4	70
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Side cutters

with slim, pointed head, special flat cutting edge, for soft wire only

3-902-12	120	4 3/4	with side face	0.8	-	65
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Top cutters

with 3 mm wide cutting edge, jaw length 20 mm, for flush cutting, for soft wire only

3-905-12	125	5	without side face	0.8	-	75
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End cutters

with angular tips and oblique cutting edge, for flush cutting, for soft wire only

3-906-12	125	5	without side face	0.8	-	75
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ROUND-FLAT-SNIPE NOSE PLIERS

No.	Length		Finish	Weight g
	mm	inches		

Round nose pliers with short jaws

3-931-12	120	4 3/4	plain jaws	70
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Flat nose pliers with short jaws

3-932-12	120	4 3/4	plain jaws	60
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Flat nose pliers slim model, with long jaws

3-942-12	145	5 3/4	serrated jaws	90
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Snipe nose pliers with short jaws

3-933-12	125	5	serrated jaws	60
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Snipe nose pliers slim model, with long jaws

3-943-12	145	5 3/4	serrated jaws	80
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Snipe nose pliers angular, slim model, with long jaws

3-945-12	145	5 3/4	serrated jaws	80
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3-901-12



3-902-12



3-905-12



3-906-12



3-931-12



3-932-12



3-942-12



3-933-12



3-943-12



3-945-12

SETS OF ELECTRONICS PLIERS



3-680

3-680 **BERNSTEIN** EUROline-Conductive set of pliers



4-piece set **conductive** pliers from the series EUROline-Conductive with **conductive** handguard in cases made from **conductive** black imitation leather, with zip fastener

No. **Description of individual tools** **Weight: 400 g**

- 3-651-15 **Mini side cutters EUROline-Conductive**, 120 mm, without sideface, for soft wire up to 0.6 mm Ø, copper wire up to 1.2 mm Ø, box joint, double leaf spring, fine polished and bright burnished, conductive bicoloured hand-guard
- 3-672-15 **End cutters EUROline-Conductive**, 130 mm, for copper wire up to 0.6 mm Ø, cutting edge 20° angular, box joint, double leaf spring, fine polished and bright burnished, conductive bicoloured hand-guard
- 3-682-15 **Flat nose pliers EUROline-Conductive**, 130 mm, plain jaws, finish as before
- 3-683-15 **Snipe nose pliers EUROline-Conductive**, 130 mm, plain jaws, finish as before



3-630

3-630 **BERNSTEIN** Set of conductive pliers



3-piece set bright steel-polished pliers with **conductive** handguard in a wallet of nylon

No. **Description of individual tools** **Weight: 250 g**

- 3-601-13 **Side cutters**, 120 mm, for hard wire up to 0.4 mm, for soft wire up to 1.0 mm
- 3-632-13 **Flat nose pliers**, 120 mm, plain jaws
- 3-633-13 **Snipe nose pliers**, 120 mm, plain jaws



3-960

3-960 **BERNSTEIN** Set of conductive pliers



4-piece set black burnished pliers with **conductive** handguard in a wallet of nylon

No. **Description of individual tools** **Weight: 350 g**

- 3-901-7 **Side cutters**, 120 mm, for soft wire bis 1.0 mm, for hard wire up to 0.4 mm Ø
- 3-906-7 **End cutters**, 125 mm, with angular tips and oblique cutting edge, without side face, for flush cutting, for soft wire only
- 3-932-7 **Flat nose pliers**, 120 mm
- 3-933-7 **Snipe nose pliers**, 125 mm



3-940

3-940 **BERNSTEIN** Set of pliers

4-piece set black burnished pliers with orange insulation in a wallet of nylon

No. **Description of individual tools** **Weight: 350 g**

- 3-901-12 **Side cutters**, 120 mm, for soft wire up to 1.0 mm, for hard wire up to 0.4 mm Ø
- 3-906-12 **End cutters**, 125 mm, with angular tips and oblique cutting edge, without side face, for flush cutting, for soft wire only up to 0.8 mm Ø
- 3-932-12 **Flat nose pliers**, 120 mm
- 3-933-12 **Snipe nose pliers**, 125 mm

3-930 **BERNSTEIN** Set of pliers

3-piece set black burnished pliers with orange insulation in a wallet of nylon

No. **Description of individual tools** **Weight: 275 g**

- 3-901-12 **Side cutters**, 120 mm, for soft wire up to 1.0 mm, for hard wire up to 0.4 mm Ø
- 3-932-12 **Flat nose pliers**, 120 mm
- 3-933-12 **Snipe nose pliers**, 125 mm

SPECIAL ELECTRONIC PLIERS

EUROline

Box joint, Double leaf spring, High quality steel

Fine polished and bright burnished

For dazzle-free working, high corrosion protection

Ergonomically formed bicoloured hand-guard

from anti-slide material

CUTTING PLIERS

No.	Length		Finish	Cutting capacity mm Ø			Weight g
	mm	inches		Copper-wire	Soft wire	Hard wire	

EUROline mini side cutters

with very slim, rounded head, for finest operations

3-651-14	120	4 3/4	without side face	1.2	0.6	-	55
3-651-14 DR	120	4 3/4	without side face with wire retaining spring	1.2	0.6	-	60

EUROline mini side cutters

with very slim, pointed head, for finest operations

3-652-14	120	4 3/4	without side face	1.0	0.6	-	60
3-653-14	120	4 3/4	without side face, with special flat cutting edge	1.0	0.6	-	60

EUROline side cutters

with slim rounded head

3-654-14	125	5	with side face	1.5	1.0	0.4	70
3-655-14	125	5	without side face	1.5	1.0	-	70

EUROline side cutters

with slim, pointed head

3-656-14	125	5	with side face	1.2	1.0	0.4	65
3-657-14	125	5	without side face	1.2	1.0	-	65

EUROline end cutters

extremely slim, cutting edge 20° angular, for precision work at points difficult to reach

3-672-14	130	5 1/8	without side face	0.6	-	-	65
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ROUND-FLAT-SNIPE NOSE PLIERS

EUROline round nose pliers

extremely slim, with short jaws

3-681-14	130	5 1/8	plain jaws				65
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EUROline flat nose pliers

extremely slim, with short jaws

3-682-14	130	5 1/8	plain jaws				65
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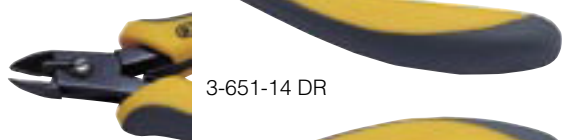
EUROline snipe nose pliers

extremely slim, with short jaws

3-683-14	130	5 1/8	plain jaws				65
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3-651-14



3-651-14 DR



3-652-14



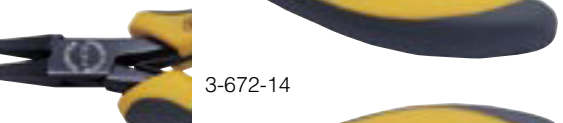
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3-654-14



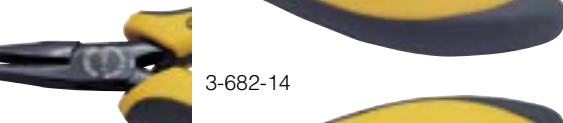
3-656-14



3-672-14



3-681-14



3-682-14

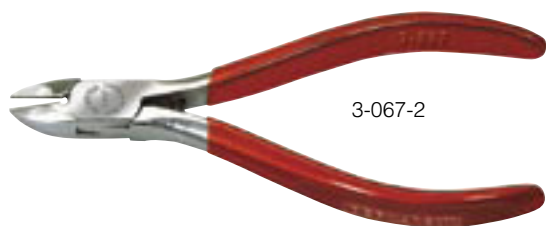


3-683-14

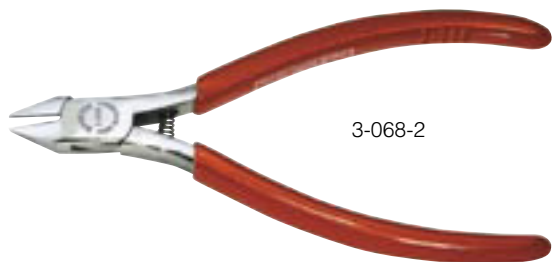
SPECIAL ELECTRONIC PLIERS

Box joint 

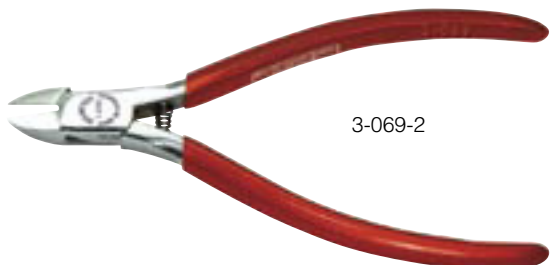
Compression spring, Special steel, chrome-plated bright polished, especially light and slim
With transparent insulation (-2)



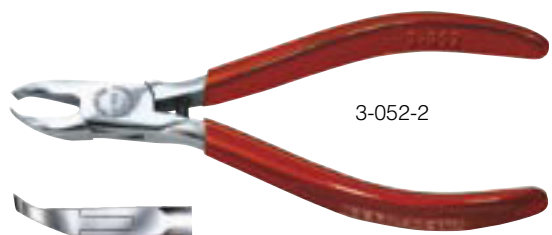
3-067-2



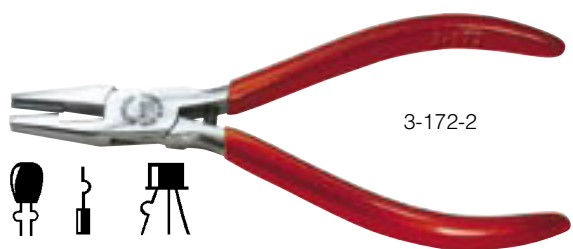
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3-069-2



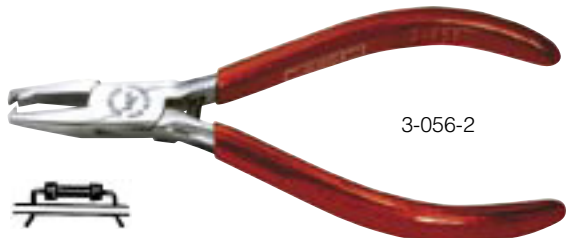
3-052-2



3-172-2



3-175-2



3-056-2

CUTTING PLIERS

No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	inches		Soft wire	Hard wire	

Electronics side cutters

for continuous heavy work, with inserted carbid cutting edges, **only** for tough nickel and electrode wires

3-067-2	125	5	with side face	-	1.0	70
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Mini side cutters

with extremely narrow, pointed head, without side face, for flush cutting, for precision work, for soft wire only

3-068-2	110	4 3/8	without side face	0.6	-	40
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Mini side cutters

with extremely narrow, rounded head, without side face, for flush cutting, for precision work, for soft wire only

3-069-2	110	4 3/8	without side face	0.8	-	40
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Oblique cutters

with recess in the cutting edge, for gripping components not to be worked on, cutting area 4.0 mm wide, without side face, for flush cutting, for soft wire only

3-052-2	120	4 3/4	without side face	1.0	-	70
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COMPONENT PLIERS

For bending, cutting and squeezing connecting wires on components

No.	Length		Finish	Weight g
	mm	inches		

Crimping and bending pliers

crimp the wire in one operation without changing the parallelism of the ends of the wire

3-172-2	130	5 1/8	especially slim model	70
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Cutting and squeezing pliers

cut and squeeze soft wire up to 1.2 mm Ø in one operation, wire ends are shortened up to 1.5 mm and squeezed flat

3-175-2	125	5	cutting edge width 4.0 mm	70
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Cutting and bending pliers

cut and bend soft wire up to 0.8 mm Ø in one operation, wire ends are shortened to 1.5 mm and bent through 45°, cutting edge width 2.0 mm

3-056-2	125	5	especially slim model	70
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SPECIAL ELECTRONIC PLIERS

Box joint 

Compression spring, Special steel, chrome-plated
bright polished, especially light and slim
With transparent insulation (-2)

CUTTING PLIERS

No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	inches		Soft wire	Hard wire	

Micro side cutters

with slim, pointed head

3-125-2	115	4 1/2	fine side face	0.8	0.3	60
3-125-1	115	4 1/2	with BERNSTEINIT-ins.	0.8	0.3	70

Slimline side cutters

with slim, rounded head

3-127-2	115	4 1/2	fine side face	1.0	0.4	60
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Slimline side cutters

with slim, rounded head,

with wire retaining spring (to hold the wire clippings)

3-127-2 DR	115	4 1/2	fine side face	1.0	0.4	60
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Slimline oblique top cutters

with slim head, for flush cutting,
for soft wire only

3-128-2	120	4 3/4	without side face	0.8	0.3	70
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IC top cutters

for cutting IC connections only

3-130-2	120	4 3/4	without side face	-	-	70
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Special side cutters

slim, pointed head, box joint, for flush cutting,
for soft wire only

3-138-2	130	5 1/8	without side face	1.25	-	90
3-138	130	5 1/8	without insulation	1.25	-	85

Slimline end cutters

with angular tip and oblique cutting edge,
for flush cutting, for precision work,
at points difficult to reach, for soft wire only

3-164-2	140	5 1/2	without side face	0.8	-	70
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End cutters

with angular tip and cutting edge, for soft wire only,
without compression spring

3-165-2	165	6 1/2	fine side face	1.0	-	115
3-165-1	165	6 1/2	with BERNSTEINIT-ins.	1.0	-	130



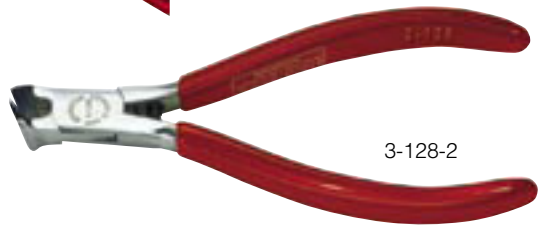
3-125-2



3-127-2



3-127-2 DR



3-128-2



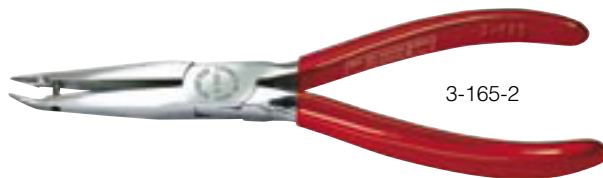
3-130-2



3-138-2



3-164-2



3-165-2

SPECIAL ELECTRONIC PLIERS

Box joint, Special steel 

Chrome-plated, bright polished

Especially light and slim

With transparent insulation

No.	Length		Finish	Weight g
	mm	inches		

Micro round nose pliers

extremely light and slim

3-435-2	120	4 3/4	plain jaws	45
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Micro flat nose pliers

extremely light and slim

3-445-2	120	4 3/4	plain jaws	50
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Micro snipe nose pliers

extremely light and slim

3-455-2	120	4 3/4	plain jaws	50
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Round nose pliers

slim model, with compression spring and plain jaws

3-461-2	130	5 1/8	short jaws	70
3-471-2	145	5 3/4	long jaws	75

Flat nose pliers

slim model, with compression spring and plain jaws

3-462-2	130	5 1/8	short jaws	80
3-472-2	145	5 3/4	long jaws	75

Snipe nose pliers

slim model, with compression spring and plain jaws

3-463-2	130	5 1/8	short jaws	75
3-473-2	145	5 3/4	long jaws	85

Snipe nose pliers

angular, slim model, with compression spring and plain jaws

3-481-2	130	5 1/8	short jaws	50
3-482-2	140	5 1/2	long jaws	90
3-482-1	145	5 3/4	with BERNSTEINIT-ins.	100

Snipe nose pliers

with wire cutter for soft wire up to 0.6 mm Ø, particularly slim, pointed model, with compression spring

3-161-2	145	5 3/4	fine serrated jaws	75
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Telephone pliers

with wire cutter for soft wire up to 0.8 mm Ø, especially slim, pointed model, with compression spring

3-162-2	150	6	fine serrated jaws	80
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3-435-2

3-445-2

3-455-2

3-461-2

3-472-2


3-473-2

3-482-2

3-161-2

3-162-2

ENGINEER'S PLIERS

Box joint  Special steel
 Fine, slim design, chrome-plated, polished
 With BERNSTEINIT-handguard (-1)

No.	Length		Finish	Weight g
	mm	inches		

Long nose pliers flat, slim

3-205-1	185	7 1/2	fine serrated jaws	140
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Snipe long nose pliers oval-pointed, bent

3-215-1	185	7 1/2	fine serrated jaws	145
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Snipe nose pliers oval-pointed

3-225-1	130	5 1/8	fine serrated jaws	95
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TELEPHONE PLIERS

Lap joint, Special steel 
 Chrome-plated, polished with wire cutters
 With BERNSTEINIT-handguard (-1)

Telephone pliers snipe nose,
 short jaws, with cutting edge for hard wire

3-235-1	160	6 1/4	with serrated jaws	145
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Telephone pliers snipe nose, long
 straight jaws, with cutting edge for hard wire

3-245-1	200	8	with serrated jaws	190
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Telephone pliers snipe nose,
 long bent jaws, with cutting edge for hard wire

3-255-1	200	8	with serrated jaws	180
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FLAT AND ROUND NOSE PLIERS

Lap joint, Special steel 
 Chrome-plated, polished
 With BERNSTEINIT-handguard (-1)

Flat nose pliers with short jaws

3-511-1	120	4 3/4	with serrated jaws	70
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Round nose pliers with long jaws

3-522-1	140	5 1/2	with serrated jaws	130
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Flat nose pliers with long jaws

3-531-1	140	5 1/2	with serrated jaws	100
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3-532-1	160	6 1/4	with serrated jaws	125
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3-205-1



3-215-1



3-225-1



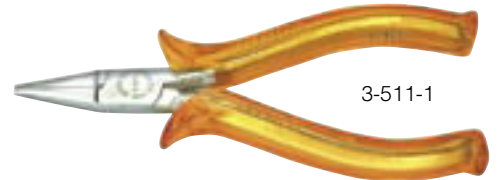
3-235-1



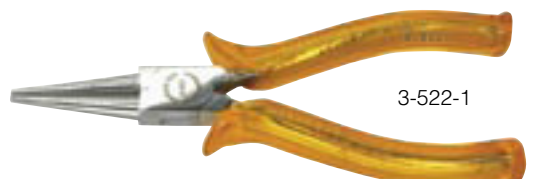
3-245-1



3-255-1



3-511-1



3-522-1



3-531-1

SPECIAL ELECTRONIC PLIERS

Lap joint



Special steel

Chrome-plated, bright polished

With transparent insulation

CUTTING PLIERS



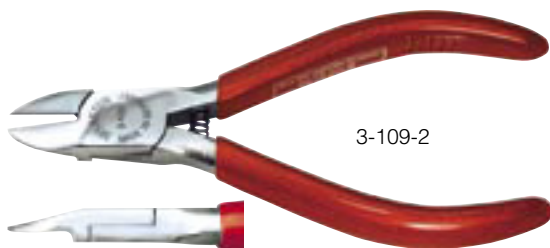
3-108-2



Side cutters

with wide, pointed head,
special flat cutting edge,
compression spring,
for flush cutting, for soft wire only

No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	Inches		Soft wire	Hard wire	
3-108-2	120	4 3/4	without side face	1.5	-	90



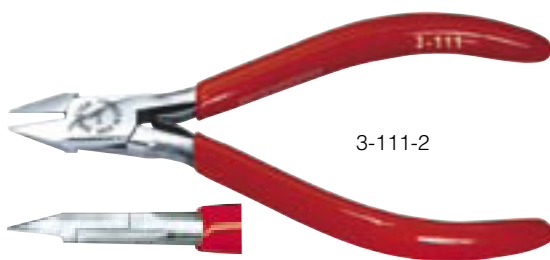
3-109-2



Side cutters

with wide, rounded head,
special flat cutting edge,
compression spring,
for flush cutting, for soft wire only

3-109-2	120	4 3/4	without side face	1.5	-	90
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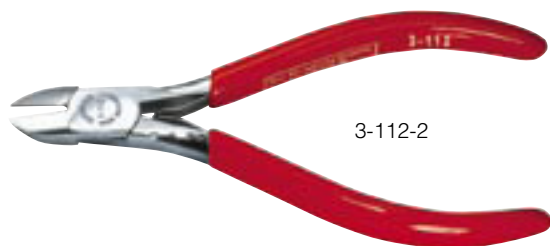
3-111-2



Side cutters

with slim, pointed head,
special flat cutting edge,
double leaf spring,
for flush cutting, for soft wire only

3-111-2	120	4 3/4	without side face	0.8	-	70
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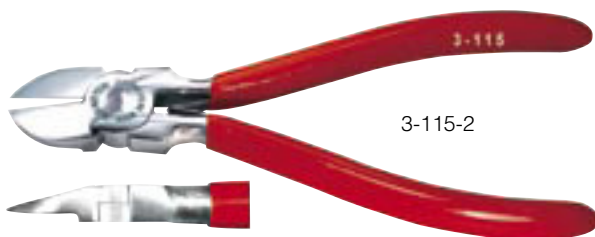


3-112-2

Side cutters

with slim, rounded head,
double leaf spring,
for flush cutting,
for soft wire only

3-112-2	120	4 3/4	without side face	1.0	-	70
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3-115-2


Special side cutters

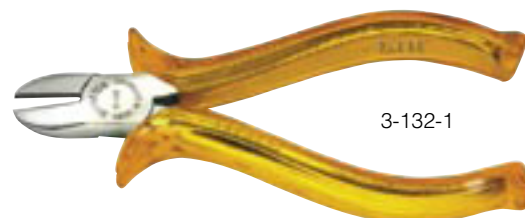
for plastic, with rounded head,
special flat cutting edge,
double leaf spring, for flush cutting
of plastic sprues, circuit boards etc.

3-115-2	145	5 3/4	without side face	-	-	130
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CUTTING PLIERS, COMBINATON PLIERS, ADJUSTING PLIERS

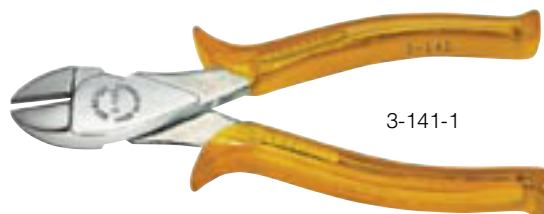
Special steel, Chrome-plated, bright polished
With BERNSTEINIT-handguard (-1)

No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	inches		Soft wire	Hard wire	
Side cutters swedish design			lap joint			
3-131	120	4 3/4	chrome-plated, polished	1.5	0.8	90
3-131-1	120	4 3/4	with BERNSTEINIT-ins.	1.5	0.8	110
3-132	130	5 1/8	chrome-plated, polished	2.0	1.0	110
3-132-1	130	5 1/8	with BERNSTEINIT-ins.	2.0	1.0	130
3-133	145	5 3/4	chrome-plated, polished	2.5	1.25	120
3-133-1	145	5 3/4	with BERNSTEINIT-ins.	2.5	1.25	160




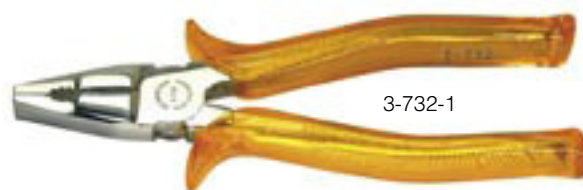
3-132-1

Power side cutters powerful, handy model, with excellent cutting capacity for steel wire, special steel			lay-on joint			
3-141	145	5 3/4	chrome-plated, polished	2.5	1.25	150
3-141-1	145	5 3/4	with BERNSTEINIT-ins.	2.5	1.25	170
3-142	160	6 1/4	chrome-plated, polished	3.0	1.5	210
3-142-1	160	6 1/4	with BERNSTEINIT-ins.	3.0	1.5	240




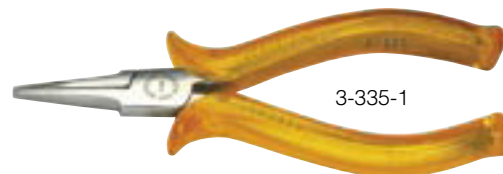
3-141-1

Combination pliers with wire cutter, for hard wire			lap joint			
No.	Length		Finish	Cutting capacity mm Ø		Weight g
	mm	inches		Soft wire	Hard wire	
3-715	115	4 1/2	chrome-plated, polished			70
3-715-1	115	4 1/2	with BERNSTEINIT-insulation			80
3-731	140	5 1/2	chrome-plated, polished			135
3-731-1	140	5 1/2	with BERNSTEINIT-insulation			140
3-732	165	6 1/2	chrome-plated, polished			190
3-732-1	165	6 1/2	with BERNSTEINIT-insulation			200
3-733	180	7	chrome-plated, polished			225
3-733-1	180	7	with BERNSTEINIT-insulation			240




3-732-1

Adjusting pliers straight, flat and wide			lap joint			
3-335	135	5 1/2	chrome-plated, polished,			70
3-335-1	135	5 1/2	with BERNSTEINIT-insulation			90



3-335-1

Adjusting pliers straight, pointed nose			lap joint			
3-345	135	5 1/2	chrome-plated, polished,			70
3-345-1	135	5 1/2	with BERNSTEINIT-insulation			90



3-345-1

WIRE STRIPPERS

Lap joint
Special steel



No.	Length mm	Length inches	Finish	Weight g
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"Record" wire strippers

Spring system enables safe working with automatic adjustment to the wire size. Easy to use: insert wire - close pliers - remove insulation

3-805-4	160	6 1/4	for wire thicknesses from 0.5 to 5 mm Ø nickel-plated with BERNSTEINIT-insulation	175
3-806-4	160	6 1/4	for wire thicknesses from 0.3 to 1.2 mm Ø nickel-plated with BERNSTEINIT-insulation	175

Wire strippers with adjusting screw

for all wire thicknesses, with compression spring

3-815-1	155	6 1/8	chrome plated polished with BERNSTEINIT-insulation	165
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Wire strippers for use in electronics

especially narrow and slim, with internal adjusting screw and compression spring

3-835-2	160	6 1/4	chrome-plated, polished with transparent insulation	115
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PRESSING PLIERS

Lay-on joint
Carbon steel



Pressing pliers for multicore cable end

combined with cable cutter and stripping-prism for different cable dimensions for sleeves of 0.25 - 2.5 mm².

3-871-6	155	6	nickel-plated, with red insulation	165
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Pressing pliers for multicore cable end

combined with cable cutter and stripping-prism for different cable dimensions for sleeves of 0.50 - 16.0 mm².

3-875-6	225	9	nickel-plated, with red insulation	285
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WATER PUMP PLIERS

Miniature water pump pliers with 3 adjustments

3-565	130	5 1/8	chrome-plated, polished	60
3-565-1	130	5 1/8	with BERNSTEINIT-insulation	80

Water pump pliers

3-574-1	175	6 3/4	matt chrome-plated with BERNSTEINIT-insulation	180
3-575-6	240	9 1/2	nickel-plated, red insulation	380

SPECIAL ASSEMBLY PLIERS

Model with adjusting screw and sprung handles

45° angular, for clamping rings on shafts without grooves 1.5-2.8 mm

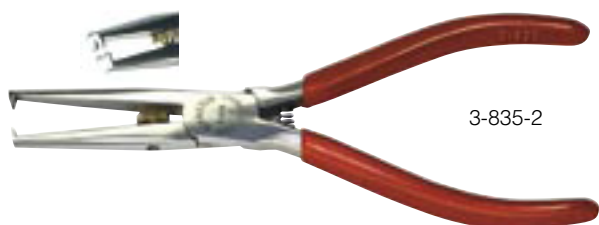
3-761-10	140	5 1/2	fine burnished	95
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3-805-4



3-815-1



3-835-2



3-871-6



3-875-6



3-565-1



3-575-6



3-761-10

INOX HIGH-GRADE STEEL PLIERS

For use in cleanrooms (autoclavable)
Antiseptic or in ESD protected areas

Stainless steel, Swaged, Box joint construction 

With screwed stainless double leaf spring
Extremely fine polished, abrasionproof, easy to clean

On request with inserted carbid cutting edges
On request with ESD handguard

The perfect pliers for works in following industries:

Aerospace - chemical - electronic-
Medical and dental technique - food production-
Shipbuilding - oil and gas production



CUTTING PLIERS

No.	Length		Finish	cutting capacity mm Ø			Weight g
	mm	inches		Copper-wire	Soft wire	Hard wire	

Side cutters

with very slim rounded head
for finest operations

33-115	110	4 3/8	without side face	1.1	0.4	-	36
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Side cutters

with very slim rounded head

33-215	115	4 1/2	with side face	1.1	0.6	0.2	53
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TOP CUTTERS

Oblique top cutters

straight head, flush cutting

33-135	110	4 3/8	without side face	0.8	0.6	0.2	40
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Top end cutters

bent, extremely slim, flush cutting

33-235	120	4 3/4	without side face	0.4	0.2	-	43
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SNIPE NOSE AND FLAT PLIERS

Snipe nose pliers

extremely slim, straight, short jaws

33-255	120	4 3/4	with plain jaws				43
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Flat nose pliers

extremely slim, straight, short jaws

33-275	120	4 3/4	with plain jaws				44
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SET OF ELECTRONICS PLIERS

33-100 **BERNSTEIN** Set of INOX steel pliers

3-piece set INOX high grade steel pliers in a wallet of nylon

No.	Description of individual tools	Weight: 220 g
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33-215	Side cutters , 115 mm, with side face	
33-255	Snipe nose pliers , 120 mm, plain jaws	
33-275	Flat nose pliers , 120 mm, plain jaws	



33-115



33-215



33-135



33-235



33-255



33-275





SAFETY INSULATED PLIERS

Produced in accordance with specification EN 60.900 of the Association of German Electrical Engineers (VDE).

Permissible voltage at which the VDE pliers can be used: 1000 V a.c. or 1500 V d.c.

Bicoloured VDE multicomponent safety insulation

No.	mm	Length inches	Finish	Weight g
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Side cutters

for steel wire up to 1.6 mm Ø, swedish design, special steel

3-134 VDE	160	6 1/4	chrome-plated, polished, with VDE safety insulation	220
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Power side cutters

for steel wire up to 1.6 mm Ø, special steel

3-142 VDE	165	6 1/2	chrome-plated, polished, with VDE safety insulation	250
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Telephone pliers

snipe nose, long, straight jaws, with cutting edge for hard wire, serrated jaws, special steel

3-244 VDE	165	6 1/2	chrome-plated, polished, with VDE safety insulation	150
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3-245 VDE	205	8	chrome-plated, polished, with VDE safety insulation	210
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Telephone pliers

snipe nose, long, bent jaws, with cutting edge for hard wire, serrated jaws, special steel

3-254 VDE	165	6 1/2	chrome-plated, polished, with VDE safety insulation	150
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3-255 VDE	205	8	chrome-plated, polished, with VDE safety insulation	220
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Round nose pliers

with long, round, serrated jaws

3-541 VDE	165	6 1/2	chrome-plated, polished, with VDE safety insulation	200
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Flat nose pliers

with long, flat, serrated jaws

3-545 VDE	165	6 1/2	chrome-plated, polished, with VDE safety insulation	220
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Combination pliers

with wire cutter, for hard wire up to 1.6 mm Ø

3-732 VDE	165	6 1/2	chrome-plated, polished, with VDE safety insulation	220
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3-733 VDE	185	7 1/4	chrome-plated, polished, with VDE safety insulation	260
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„Record“ wire strippers

with automatic adjusting to the wire size, for wire thicknesses from 0.5 to 5 mm Ø

3-805 VDE	165	6 1/2	chrome-plated, polished, with VDE safety insulation	200
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Wire strippers

with adjusting screw

3-815 VDE	160	6 1/4	chrome-plated, polished, with VDE safety insulation	190
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SAFETY INSULATED PLIERS

Insulated and piece-checked in accordance with specification EN 60.900 of the Association of German Electrical Engineers (VDE) Permissible voltage at which the VDE pliers can be used: 1000 V a.c. or 1500 V d.c.

 **EN 60.900**

No.	mm	Length Zoll	Finish	Weight g
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Side cutters

Special steel, cutting capacity: 13-906 VDE for steel wire up to 1.6 mm Ø
13-908 VDE for steel wire up to 2.0 mm Ø

13-906 VDE	160	6 1/4	chrome-plated, polished, with safety insulation	210
13-908 VDE	180	7	chrome-plated, polished, with safety insulation	290

Telephon pliers

snipe nose, long, straight jaws, with cutting edge for hard wire up to 1.6 mm Ø, serrated jaws, special steel

13-915 VDE	160	6 1/4	chrome-plated, polished, with safety insulation	155
13-917 VDE	200	8	chrome-plated, polished, with safety insulation	220

Telephon pliers

snipe nose, long, bent jaws, with cutting edge for hard wire up to 1.6 mm Ø, serrated jaws, special steel

13-916 VDE	160	6 1/4	chrome-plated, polished, with safety insulation	150
13-918 VDE	200	8	chrome-plated, polished, with safety insulation	220

Round nose pliers

with long, round, serrated jaws

13-926 VDE	160	6 1/4	chrome-plated, polished, with safety insulation	140
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Flat nose pliers

with long, flat, serrated jaws

13-927 VDE	160	6 1/4	chrome-plated, polished, with safety insulation	180
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Combination pliers

with wire cutter for hard wire up to 1.6 mm Ø

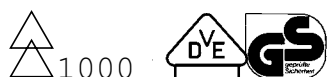
13-936 VDE	160	6 1/4	chrome-plated, polished, with safety insulation	220
13-937 VDE	185	7 1/4	chrome-plated, polished, with safety insulation	280
13-938 VDE	205	8	chrome-plated, polished, with safety insulation	350

Wire strippers

with adjusting screw

13-946 VDE	160	6 1/4	chrome-plated, polished, with safety insulation	190
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SAFETY INSULATED PLIERS

Insulated and piece-checked in accordance with specification EN 60.900 of the Association of German Electrical Engineers (VDE). Permissible voltage at which the safety pliers can be used: 1000 V a.c. or 1500 V d.c. Two-colour multilayered insulation, outside red - inside yellow. Damages of the external red insulation immediately become visible by the yellow layer below.

The advantage: simple safety control, practical at any time



13-106 VDE

No.	mm	Length inches	Finish	Weight g
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Side cutters

special steel, cutting capacity: 13-106 VDE for steel wire up to 1.6 mm Ø
13-108 VDE for steel wire up to 2.0 mm Ø



13-207 VDE

13-106 VDE	165	6 1/4	chrome-plated, polished, with VDE safety insulation	200
13-108 VDE	195	7 3/4	chrome-plated, polished, with VDE safety insulation	300

Telephone pliers

snipe nose, long, straight jaws, with cutting edge for hard wire up to 1.6 mm Ø, serrated jaws, special steel



13-506 VDE

13-207 VDE	205	8	chrome-plated, polished, with VDE safety insulation	230
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Telephone pliers

snipe nose, long, bent jaws, with cutting edge for hard wire up to 1.6 mm Ø, serrated jaws, special steel



13-516 VDE

13-208 VDE	205	8	chrome-plated, polished, with VDE safety insulation	230
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Round nose pliers

with long, round, serrated jaws



13-516 VDE

13-506 VDE	165	6 1/2	chrome-plated, polished, with safety insulation	200
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Flat nose pliers

with long, flat, serrated jaws



13-707 VDE

13-516 VDE	165	6 1/2	chrome-plated, polished, with safety insulation	210
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Combination pliers

with wire cutter, for hard wire up to 1.6 mm Ø



13-806 VDE

13-707 VDE	190	7 1/2	chrome-plated, polished, with VDE safety insulation	210
13-708 VDE	210	8 1/4	chrome-plated, polished, with VDE safety insulation	340

Wire strippers

with adjusting screw

13-806 VDE	165	6 1/2	chrome-plated, polished, with VDE safety insulation	210
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CRIMPING PLIERS FOR MODULAR CONNECTORS

No.	Length		for connector types / finish	Weight g
	mm	inches		
Crimping pliers				
solid metal type, with interchangeable blades, spring and closed lock, for cutting, cable stripping and crimping of the most current connector types				
3-0601	190	7 1/2	4P4C, 4P2C	215
3-0602	190	7 1/2	6P6C / RJ-12, 6P4C / RJ-11, 6P/2C	220
3-0603	200	8	8P8C / RJ-45	260

Combination crimping pliers

solid metal pliers, with interchangeable blades, spring and closed lock, for cutting, cable stripping and crimping

3-0605	200	8	6P6C, 6P4C, 6P2C, 8P8C	320
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Universal crimping pliers

light execution, ergonomically formed plastic casing, for cutting, cable stripping and crimping

3-0609	200	8	4P4C, 4P2C, 7.65 mm 6P6C / RJ-12, 6P4C / RJ-11, 9.65 mm, 8P8C / RJ-45, 11.68 mm, DEC 6P6C	570
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Replacement blades

4 blades for stripper and 2 blades for cutter

3-0609-00	1 Set blades
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Crimping pliers

for BNC- and TNC-coaxial connectors, with forced locking device and automatic release, for inner contacts and outside sleeves

Pressing range	Crimping length	Inner-Ø
Hexagon for all inner contacts	2.3 mm	.068" 1.72 mm
Small hexagon for RG 58	10.0 mm	.213" 5.41 mm
Medium-sized hexagon for RG 59/62	10.0 mm	.256" 6.50 mm
Large hexagon RG 6	10.0 mm	.319" 8.10 mm

3-0611	220	8 3/4	burnished-insulated	530
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Crimp tool

for insulated and uninsulated terminals

3-0856	230	9 1/4	black-insulated	295
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CUTTING TOOLS

No.	Length		Finish	Weight g
	mm	inches		
Cabel cutters				
especially for coaxial cable, robust execution with closed lock, for cable up to 10.5 mm Ø				
3-0648	160	6 1/4	burnished-insulated	150

Electronics side cutters

with spring, without side face, for CU-wires up to 1.0 mm Ø

3-0641	130	5 1/8	burnished-insulated	70
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Stripping side cutters

standard-execution, without side face, with spring, for CU-wires up to 0.8 mm Ø

3-0645	125	5	burnished-insulated	60
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3-0602



3-0605



3-0609



3-0611



3-0856



3-0648



3-0641



3-0645