

## ELECTRONIC SERVICE TOOL-SETS

special service sets for the maintenance and repairing of mobile phones and other high sensitive IT-Instrument.

The tools are clearly arranged in cases made from dissipative black imitation leather, with zip fastener.

2251 Case with zip fastener, without tools, Outside dimensions: 190 x 135 x 35 mm (when closed)



**CARAT**  
Outside dimensions: 190 x 135 x 35 mm (closed)



**ACCENT**  
Outside dimensions: 190 x 135 x 35 mm (closed)



**EUROline**  
Outside dimensions: 190 x 135 x 35 mm (closed)

### 2250 **CARAT**

9-piece set dissipative tools from the series EUROline to meet highest quality standards.

**Weight:** 0.360 kg

No.	Description of individual tools	No.	Description of individual tools
3-672-15	End cutters EUROline, 130 mm, for soft wire up to 0.8 mm Ø cutting edge 20° angular, box joint, double leaf spring, fine polished and bright burnished, dissipative bicoloured hand guard	4-621	Cross-recess screwdriver, with dissipative handle, blade from chrome vanadium, chrome-plated, size 000
3-683-15	Snipe nose pliers EUROline, 130 mm, plain jaws, box joint, double leaf spring, fine polished and bright burnished, dissipative bicoloured hand guard	4-623	Cross-recess screwdriver, with dissipative handle, blade from chrome vanadium, chrome-plated, size 0
4-603	Slotted screwdriver with dissipative handle, blade from chrome vanadium, chrome-plated, 40 x 1.5 mm	5-191	Tweezers, made from conductive and acid-resistant black plastic material, reinforced with glassfibre, 120 mm, with straight, rounded tips
4-605	Slotted screwdriver with dissipative handle, blade from chrome vanadium, chrome-plated, 40 x 2.0 mm	6-661	TORX screwdriver, with dissipative handle, blade made from chrome vanadium, chrome-plated, T 5
		6-663 L	TORX-screwdriver with dissipative handle, blade from chrome vanadium, chrome-plated, T 7 with hole

### 2270 **ACCENT**

9-piece set dissipative tools with bright steel polished pliers

**Weight:** 0.360 kg

No.	Description of individual tools
3-601-15	Side cutters, 120 mm, semi flush, for soft wire up to 1.5 mm Ø, hard wire up to 0.4 mm Ø, bright steel-polished, box joint, double leaf spring with dissipative bicoloured hand guard
3-633-15	Snipe nose pliers, 120 mm, plain jaws, bright steel-polished, box joint, double leaf spring with dissipative bicoloured hand guard
4-603	Slotted screwdriver with dissipative handle, blade from chrome vanadium, chrome-plated, 40 x 1.5 mm
4-605	Slotted screwdriver with dissipative handle, blade from chrome vanadium, chrome-plated, 40 x 2.0 mm
4-621	Cross-recess screwdriver, with dissipative handle, blade from chrome vanadium, chrome-plated, size 000
4-623	Cross-recess screwdriver, with dissipative handle, blade from chrome vanadium, chrome-plated, size 0
5-191	Tweezers, made from conductive and acid-resistant black plastic material, reinforced with glass fibre, 120 mm, with straight, rounded tips
6-661	TORX-screwdriver, with dissipative handle, blade from chrome vanadium, chrome-plated, T5
6-663 L	TORX-screwdriver with dissipative handle, blade from chrome vanadium, chrome-plated, T7 with hole

### 3-680 **EUROline** Pliers-Set

4-piece set dissipative pliers from the series EUROline

**Weight:** 0.390 kg

No.	Description of individual tools
3-651-15	Mini side cutters EUROline, 120 mm, flush, for soft wire up to 1.5 mm Ø, medium hard wire up to 0.8 mm Ø, box joint, double leaf spring, fine polished and bright burnished, dissipative bicoloured hand guard
3-672-15	End cutters EUROline, 130 mm, flush, for soft wire up to 0.8 mm Ø and medium hard wire up to 0.6 mm Ø, cutting edge 20° angular, finish as above
3-682-15	Flat nose pliers EUROline, 130 mm, finish as above
3-683-15	Snipe nose pliers EUROline, 130 mm, short jaws, finish as above

## SPECIAL ELECTRONIC PLIERS EUROline

box joint, double leaf spring  
high quality steel, fine polished and bright burnished, for dazzle free working  
ergonomically formed bicoloured hand guard from dissipative 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 mm	Headwidth mm	Finish	Cutting capacity			Weight g
				Wire soft	mm medium	Ø hard	

#### Mini side cutters EUROline

with very slim, rounded head for finest operations

3-651-15	120	10	flush	1.5	0.8	-	65
3-651-15 DR	120	10	flush	1.5	0.8	-	65

with retaining spring

#### Mini side cutters EUROline

with very slim, pointed head for finest operations

3-652-15	120	10	flush	1.5	0.8	-	60
3-653-15	120	10	flush	1.5	0.8	-	60

with special flat cutting edge

#### Side cutters EUROline

with slim, rounded head

3-654-15	125	11	semi flush	1.5	1.0	0.4	70
3-655-15	125	11	flush	1.5	1.0	-	70

#### Side cutters EUROline

with slim, pointed head

3-656-15	125	11	semi flush	1.5	1.0	0.3	70
3-657-15	125	11	flush	1.5	1.0	-	70
3-658-15	125	11	ultra flush	1.5	0.6	-	70

#### End cutters EUROline

extremely slim, flush, for precision work at points  
difficult to reach

3-671-15	130	10	straight	0.8	0.6	-	65
3-672-15	130	10	cutting edge 20° angular	0.8	0.6	-	70

#### Top cutters EUROline

extremely slim, flush, head 45° angular, for flush cutting  
directly in front of and behind the components

3-673-15	130	10	cutting edge inside	0.8	0.6	-	60
3-674-15	130	10	cutting edge outside	0.8	0.6	-	60

#### Oblique top cutters EUROline

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

3-675-15	115	10	flush	1.2	1.0	0.4	65
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3-651-15



3-652-15



3-651-15 DR



3-654-15



3-653-15



3-671-15



3-656-15



3-673-15



3-672-15



3-675-15



3-674-15

### CUTTING PLIERS

No.	Length mm	Headwidth mm	Finish	Cutting capacity			Weight g
				Wire soft	mm hard	Ø Piano-	

#### Side cutters EUROline

with rounded head

3-668-15	135	14	semi flush	2.0	1.5	0.7	110
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#### Side cutters EUROline

with pointed head

3-669-15	135	14	flush	2.0	1.5	-	110
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#### Carbide mini side cutters EUROline

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

3-661-15	120	11	semi flush very slim, rounded head	2.0	1.0	0.6	70
3-663-15	120	11	flush, very slim pointed head with special flat cutting edge	1.8	0.8	0.4	65

#### Carbide oblique top cutters EUROline

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

3-667-15	115	11	flush	2.0	1.0	0.6	65
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#### Glas fibre mini side cutters EUROline

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

3-665-15	120	11	very slim rounded head, special flush				70
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### ROUND, FLAT, SNIPE NOSE PLIERS

No.	Length mm	Headwidth mm	Finish	Weight g
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#### Round nose pliers EUROline

extremely slim

3-681-15	130	10	short plain jaws	65
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#### Flat nose pliers EUROline

extremely slim

3-682-15	130	10	short plain jaws	70
3-688-15	130	9	short, ultra slim plain jaws	60

#### Snipe nose pliers EUROline

extremely slim

3-683-15	130	10	short plain jaws	70
3-685-15	140	10	long plain jaws	70
3-686-15	140	10	long serrated jaws	70
3-687-15	130	10	short plain jaws, ultra slim pointed, for precise handling of tiny components	70
3-689-15	145	10	long plain jaws, angled	70



3-668-15



3-661-15



3-669-15



3-667-15



3-663-15



3-682-15



3-665-15



3-683-15



3-681-15



3-687-15



3-688-15



3-685-15



3-689-15