

63020

### Electronic servicing case



**Type**

**111 items**, case made of highly shock-resistant Royalite with a duraluminium frame. Dust-proof, water-proof, acid-proof, scratch-proof, wipe-clean, heavy-duty. Equipped with 1 double-sided and 2 single-sided removable plastic panels for components. Additionally, 1 compartment for drawings etc. Permitted as hand luggage in aeroplanes. Size 330 x 480 x 180 mm, weight approx. 8,1 kg.

Contents	63020	...
111-part	101	



63020

Description	Size
12 combination wrenches	6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 mm, 1/4 / 3/8 / 1/2 inch,
7 combination wrenches mm	3 / 3,2 / 3,5 / 4 / 4,5 / 5 / 5,5,
5 hexagon socket screw wrenches	1,5 / 2 / 2,5 / 3 / 4 mm,
1 adjustable wrench	160 mm,
1 combination pliers	160 mm,
3 Phillips screwdrivers	size 0 / 1 / 2,
2 screwdrivers	0,6 x 4,5 x 25 mm
short type	1,0 x 6,0 x 25 mm,
1 screwdriver	1,2 x 8,0 x 150 mm,
1 screw-holding screwdriver	0,6 x 150 mm,
2 offset screwdrivers	4 x 90 mm, 6 x 100 mm,
1 voltage tester VDE	0,6 x 3,5 x 42 mm,
2 screwdrivers with guide bushings	3,2 and 4,5 mm,
1 screwdriver for headless screws, totally sheathed	0,4 x 2,5 x 75 mm
3 screwdrivers VDE	0,6 x 2,8 x 75 mm, 1,0 x 4,5 x 125 mm, 1,2 x 6,0 x 150 mm,
1 flat round-nosed pliers	180 mm,
1 needle-nosed pliers	140 mm,
1 offset straightening pliers	135 mm,
1 diagonal cutting pliers	125 mm,
1 sheet metal shears	115 mm,
1 wire stripping pliers VDE	160 mm,
1 adjustable mirror	215 mm,
1 double-sided wire and spring hook	155 mm
1 double lamp extractor for	T5,5/T5,5K/T6,8/B7s,
1 heat dissipating tweezers	145 mm
1 unsoldering tweezers	145 mm,
1 college model tweezers, sheathed	150 mm,

Description	Size
1 tin chisel	110 mm
1 unsoldering lever with slot	125 mm
1 paint stripping tweezers	32 teeth, 130 mm
1 three-square scraper, adjustable	scraper length 85 mm,
2 spring-triggers for contact springs	110 and 150 mm
1 contact cleaner	
blade length 50 mm	135 mm,
1 magnet detector with joint	235 mm
2 probes, sheathed	red and black
1 screwdriver	0,25 x 2 x 20 mm,
1 precision mechanic's hammer	75 g,
1 set of angled screwdrivers	10-part
0,7/.028 0,9/.035 1,3/.050 mm/dec. inch, 3/64 1/16 5/64 3/32 7/64 1/8 9/64 inch,	
1 set of drift punches	0,9 / 1,4 / 1,9 / 2,4 / 2,9, in plastic pouch
3,4 / 3,9 / 5,9 mm Ø,	
1 set of needle files	
in plastic pouch	6 different profiles,
1 slide calliper with cross jaws and depth gauge	measuring range 120 mm
6 socket wrenches with plastic handle	4 / 4,5 / 5 / 5,5 / 6 / 7 mm,
1 solder suction unit	180 mm
1 spare tip,	
1 soldering gun (high-speed solderer)	30 Watt,
4 test leads, set with bunch pin plug and socket section	red, green, yellow, blue,
4 pike clamps	
1 force-feed and drop-feed oilers	5 ccm
1 dusting brush, without metal parts	
1 dust cloth	
1 electronic solder	60 % Sn., 1 mm, 100 g

63027

### EDP tool set



**Type**

46-part in case.

**Application**

For all common PCs, for upgrades and modification as well as for maintenance and repair works.

Contents	63027	...
46-part	101	



63027

Description	Size
1 regulator pliers, Swiss model	120 mm
1 electronic pliers	129 mm
1 flat-nosed pliers	140 mm,
1 flat round-nosed pliers	200 mm,
1 electronic diagonal cutting pliers	112,5 mm,
1 grip pliers	125 mm,
1 electronics double open-end wrench set 6-part	size 4 x 4 / 4,5 x 4,5 / 5 x 5 / 5,5 x 5,5 / 6 x 6 / 7 x 7 mm,
1 college model tweezers	150 mm
1 pointed tweezers	155 mm,
1 electronic tweezers	115 mm,
1 adjustable mirror,	
1 angled screwdriver set, 10-part	size 1,5 / 2 / 2,5 / 3 / 3,5 / 4 / 4,5 / 5 / 6 / 8 mm,

Description	Size
1 socket wrench with handle,	
1 electronic Phillips screwdriver	PH 0,
1 single-pole voltage tester, VDE-insulated,	
1 electronic screwdriver	2,0 mm,
3 electronics TORX® screwdriver	T7 / T8 / T9,
2 inside TORX® screwdriver	T10 / T15,
2 VDE-screwdrivers	3,0 / 6,0 mm,
1 electronic solder,	
2 electronic screwdrivers	1,6 / 2,0 mm,
1 electronic Phillips screwdriver	PH 00,
2 Phillips screwdrivers	PH 1, PH 2,
1 Phillips screwdriver, long	PH 1,
1 sheath stripping tool,	
1 desoldering strand	



• Electronic screwdriver • EGB screwdrivers

63078

Set of precision/electronics screwdrivers



Blade: round, micromatt, Black-Point. In plastic stand.

Type

6-part, Kraftform Micro® handle with roll stop and rotating head cap, multi-components.

Contents	63078	...
Slotted screws 0,3 x 1,8 / 0,4 x 2,0 / 0,4 x 2,5 / 0,5 x 3,0. Phillips PH 00 / PH 0	101	
Slotted screws 0,4 x 2,5 / 0,5 x 3,0 / 0,6 x 3,5 / 0,8 x 4,0. Phillips PH 0 / PH 1	102	
TORX® TX 7 / 8 / 9 / 10 / 15 / 20	103	
Allen key size 0,9 / 1,3 + ball head size 1,5 / 2 / 2,5 / 3	104	
Hexagonal sockets size 2 / 2,5 / 3 / 3,5 / 4 / 5	105	



63078

63084

Precision/electronics screwdriver



Blade: round, micromatt, Black-Point.

Output:

DIN 8320 up to 0,3 x 1,8, DIN 5264-A starting at 0,4 x 2,0, ISO 2380 starting at 4,0 x 2,0.

Type

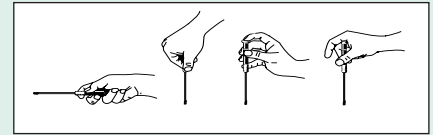
Kraftform Micro® handle with roll stop and rotating head cap, multi-components. Blade: round, micro-

Blade width mm	Blade length mm	Total length mm	63084	...
0,8	40	137	099	
1,2	40	137	101	
1,5	40	137	102	
1,8	60	157	103	
2,0	60	157	104	

Blade width mm	Blade length mm	Total length mm	63084	...
2,5	80	177	105	
3,0	80	177	106	
L 3,0	150	247	109	
3,5	80	177	107	
4,0	80	177	108	



63084



63086

Precision electronic Phillips screwdriver PH



Blade: round, micromatt, Black-Point.

Application

Phillips recess head screws Phillips-Recess.

Output:

DIN 5260-PH, ISO 8764-PH.

Type

Kraftform Micro® handle with roll stop and rotating head cap, multi-components. Blade: round, micro-

Blade length mm	Total length mm	63086	...
PH 00	60	157	101
PH 0	60	157	102
PH 1	80	177	103



63086

63088

Precision electronic Phillips screwdriver PZ



Blade: round, micromatt, Black-Point.

Application

Phillips recess head screws Pozidriv.

Output:

DIN 5260-PZ, ISO 8764-PZ.

Type

Kraftform Micro® handle with roll stop and rotating head cap, multi-components. Blade: round, micro-

Blade length mm	Total length mm	63088	...
PZ 0	60	157	101
PZ 1	60	157	102



63088

63091

Precision/electronics TORX®-B0-s screwdriver



Application

Inside TORX® screws, with safety pin (B0 = with borehole).

Type

Kraftform Micro® handle with roll stop and rotating head cap, multi-components. Blade: round, micromatt, Black-Point. Starting at size T7 TORX®-B0-s.

Blade length mm	Total length mm	63091	...
T 1	40	137	097
T 2	40	137	098
T 3	40	137	099
T 4	40	137	100
T 5	40	137	101
T 6	40	137	102
T 7 B0	60	157	103
T 8 B0	60	157	104
T 9 B0	60	157	105
T 10 B0	60	157	106
T 15 B0	60	157	107



63091

63094

### Precision/electronics hexagon screwdriver



#### Type

Kraftform Micro® handle with roll stop and rotating head cap, multi-components. Blade: round, micro-matt, Black-Point.

63094



Size mm	Blade length mm	Total length mm	63094 ...
0,7	40	137	101
0,9	40	137	102
1,3	40	137	103
1,5	60	157	104

Size mm	Blade length mm	Total length mm	63094 ...
2,0	60	157	105
2,5	60	157	106
3,0	60	157	107

63096

### Precision/electronics ball head screwdrivers



#### Type

Kraftform Micro® handle with roll stop and rotating head cap, multi-components. Blade: round, micro-matt, Black-Point.

63096



Size mm	Blade length mm	Total length mm	63096 ...
1,5	60	157	101
2,0	60	157	102

Size mm	Blade length mm	Total length mm	63096 ...
2,5	60	157	103
3,0	60	157	104

63098

### Precision/electronics hexagon socket wrench



#### Type

Kraftform Micro® handle with roll stop and rotating head cap, multi-components. Blade: round, micro-matt, Black-Point.

63098



Size mm	Blade length mm	Total length mm	63098 ...
2,0	60	157	101
2,5	60	157	102
3,0	60	157	103
3,2	60	157	104
3,5	60	157	105

Size mm	Blade length mm	Total length mm	63098 ...
4,0	60	157	106
4,5	60	157	107
5,0	60	157	108
5,5	60	157	109

63099

### Set of EGB screwdrivers



#### Type

6-part, Kraftform Micro® handle with roll stop and rotating head cap, multi-components. Blade: round, nicromatt, Black-Point. In plastic stand.

#### Set contents:

Screwdriver 0,25 / 0,23 / 0,30 and 0,40.

Phillips screwdriver PH 0 and PH 1.

63099



#### Screwdriver

Blade thickness mm	Blade width mm	Blade length mm
0,25	1,2	40
0,23	1,5	40
0,30	1,8	60
0,40	2,5	80

#### Phillips screwdriver

Size	Blade length mm
PH 0	60
PH 1	80

Contents	63099 ...
6-part	101

• Ceramic screwdriver • Electronics pliers • Electronics cutting pliers

52445

ESD/EGB Phillips screwdrivers PH



Type

Output: DIN 5260 PH, ISO 8764 PH. Round blade, Black-Point tip, Kraftform® handle with roll stop.

Application

For Phillips recess head screws. For work on electronic components susceptible to electrical discharge. **Fulfils the standard EN 100-015 part 1.**

Quality

Blade made of high-alloyed special steel.

52445 101-102



52445 104



Size	Blade length mm	Total length mm	52445 ...
0	60	157	101
1	80	177	102

Size	Blade length mm	Total length mm	52445 ...
2	100	198	104

63103 - 63106

Precision Alignment Ceramics Screwdrivers



Type

Ceramics screwdriver with WIHA precision screwdriver handle made of anti-static plastics. High thermal and electrical insulation.

Application

For alignment work in high frequency areas.

Quality

Special ceramics.

63103

Set 3-part in plastic box.

Set contents:

Screwdriver 0,9 and 2,6 mm, Phillips screwdriver PH 0.

63106

Screwdriver, single.



63103

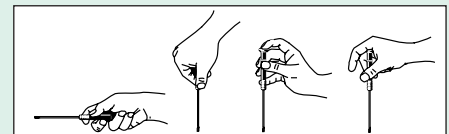


Set	63103 ...
Contents	...
3-part	101

Phillips screwdriver, single			63106 ...
Blade width mm	Blade length mm	Total length mm	
0,9	15	94,5	101
1,3	15	94,5	102
1,8	15	94,5	103
2,6	15	94,5	104



63106



63200

Precision electronics pliers and electronics cutting pliers



Type

Joint surfaces polished, phosphated, heavy-duty dual component handle covers and double-blade opening spring.

Application

Electronics and precision mechanics.

Quality

Tool steel, edges additionally induction hardened.

63200 101-104

Type

DIN ISO 9655, hardness of head, joints, and handles HRC 44-48. Hardness of edges HRC 56-60.

63200 105-110

Type

DIN ISO 9654, hardness at head, joints, and handles HRC 38-42. Hardness of edges HRC 62-65.

63200 101

63200 102



63200 103

63200 104



63200 105

63200 107

63200 109



Description	Length mm	Cutting rates wire up to Ø mm				63200 ...
		medium-hard	hard	piano	copper	
Flat-nosed pliers	125	-	-	-	-	101
Round-nosed pliers	125	-	-	-	-	102
Needle-nose pliers, tip offset 30°	125	-	-	-	-	103
Needle-nose pliers	125	-	-	-	-	104
Diagonal cutting pliers with bevelled cutting edge	112	2	1,2	0,6	-	105
Diagonal cutting pliers without bevelled cutting edge	112	-	-	-	0,5-2	106
Diagonal cutting pliers with bevelled cutting edge and holding spring	112	2	1,2	0,6	-	107
Diagonal cutting pliers without bevelled cutting edge with holding spring	112	-	-	-	0,5-2	108
End cutter with bevelled cutting edge	112	2	1,2	0,6	-	109
End cutter without bevelled cutting edge	112	-	-	-	0,5-2	110

63210

ESD electronics pliers and electronics cutting pliers



**Type**

Two-component handle with soft, non-slip thermo-plast, slip protection, welded-in double-blade spring, precision lap joint (no readjustment necessary), cutting blades inductively hardened.

**Application**

For all works in electronic and telecommunications industries, as well as precision mechanic service and **dangerous electrostatical areas (ESD)**. EGB protection in compliance with DIN EN 100 015.

**63210 100**

**Set 6-part in artificial leather case with zipper.**

Set contents: needle-nose pliers 135 mm; flat-nosed pliers 135 mm; diagonal cutting pliers, oval head, miniature bevelled cutting edge 125 mm; diagonal cutting pliers, oval head, without bevelled cutting edge 120 mm; diagonal cutting pliers, tapered head, without bevelled cutting edge 130 mm; diagonal cutter, slim head, without bevelled cutting edge 135 mm.



63210 100

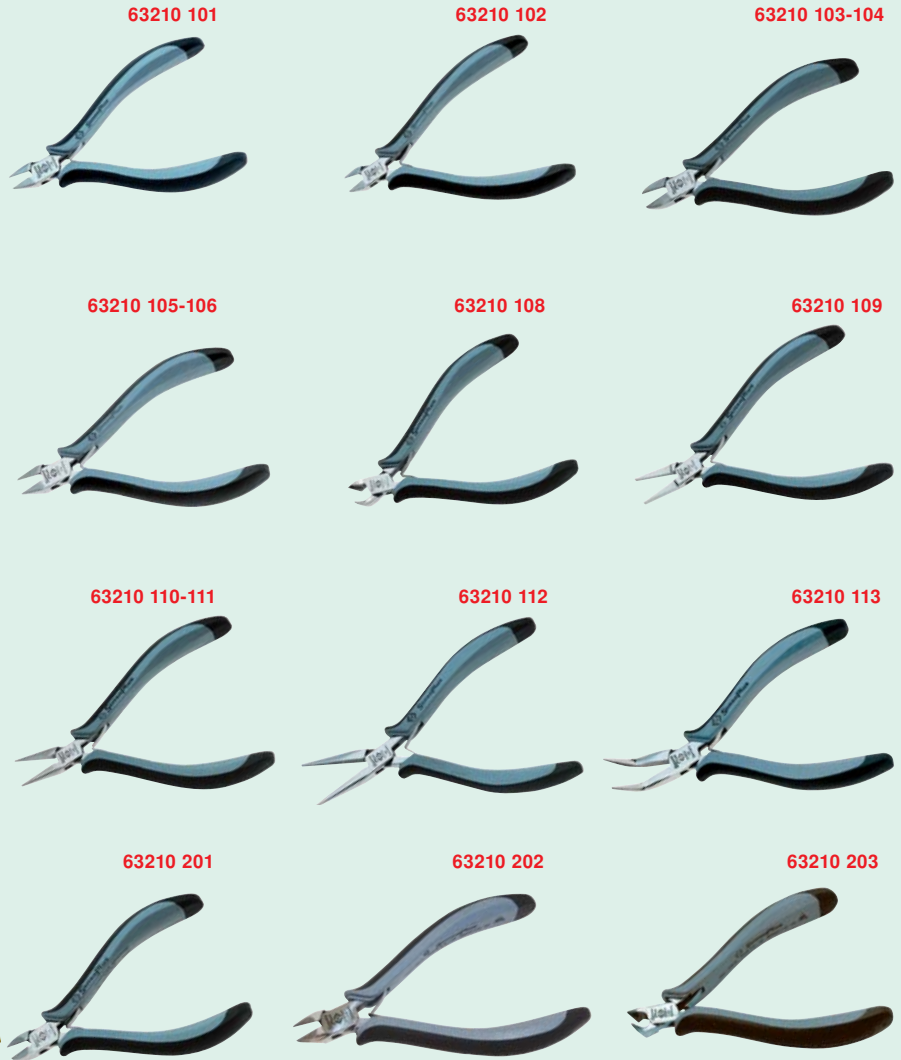
**63210 201-203**

**Type**

With carbide blade.

**Application**

For extreme conditions in electronics, aerospace industry.



Set	Contents	63210	...
6-part		100	<b>NEW</b>

Description	Length mm	Cutting rates wire up to Ø mm			63210	...
		hard	medium-hard	copper		
Miniature diagonal cutting pliers, pointed and flattened head, without bevelled cutting edge	120	-	0,6	1,0		<b>101</b>
Miniature diagonal cutting pliers, pointed head, without bevelled cutting edge	120	-	0,6	1,0		<b>102</b>
Diagonal cutting pliers, oval head, miniature bevelled cutting edge	125	0,4	1,0	1,5		<b>103</b>
Diagonal cutting pliers, oval head, without bevelled cutting edge	125	-	1,0	1,5		<b>104</b>
Diagonal cutting pliers, pointed head, miniature bevelled cutting edge	125	0,4	1,0	1,2		<b>105</b>
Diagonal cutting pliers, pointed head, without bevelled cutting edge	125	-	1,0	1,2		<b>106</b>
Diagonal cutter, offset 29°, horizontal and vertical usage	120	0,4	1,0	1,2		<b>108</b>
Flat-nosed pliers, without cut	135	-	-	-		<b>109</b>
Needle-nose pliers, straight jaws, without cut	135	-	-	-		<b>110</b>
Needle-nose pliers, straight jaws, with cut	135	-	-	-		<b>111</b>
Needle-nose pliers, straight long jaws, with cut	165	-	-	-		<b>112</b>
Needle-nose pliers, offset	165	-	-	-		<b>113</b>
Diagonal cutting pliers, with carbide blade, miniature bevelled cutting edge	125	0,6	1,0	1,2		<b>201</b> <b>NEW</b>
Diagonal cutting pliers, with carbide blade, oval head, slim	125	0,8	-	1,8		<b>202</b> <b>NEW</b>
Diagonal cutter, with carbide blade	115	1,0	-	2,0		<b>203</b> <b>NEW</b>



• Electronics diagonal cutting pliers • ESD diagonal cutting pliers

**63250** Electronics diagonal cutting pliers



**Type**  
Oval head, deep black galvanised, polished. Red plastic-coated handles. Lap joint, double-bladed opening spring.

**Application**  
For high precision electronic work.  
**Quality**  
C 60, cutting edges induction hardened.



63250

Type	Cutting rate for wire up to Ø mm				Head thickness mm	Head width mm	Length mm	63250	...
	piano	hard	soft	copper					
With bev. cutt. edge	0,4	0,6	1,0	1,2	7,5	11	115	101	
Without bev. cutt. edge	-	-	1,0	1,2	7,5	11	115	102	

**63252** Electronics diagonal cutting pliers



**Type**  
Narrow head, pointed, deep black galvanised, polished. Red, plastic-coated handles. Lap joint, double-bladed opening spring.

**Application**  
For high precision electronic work.  
**Quality**  
C 60, cutting edges induction hardened.



63252

Type	Cutting rate for wire up to Ø mm			Head thickness mm	Head width mm	Length mm	63252	...
	hard	soft	copper					
With 1/2 bev. cutt. edge	0,4	1,0	1,0	10	11	115	101	
Without bev. cutt. edge	-	1,0	1,0	10	11	115	102	

**63255** Electronics diagonal cutting pliers with wire holders



**Type**  
Wide head, pointed, with wire holder, mini bevelled cutting edge, deep black burnished, polished. Red, plastic-coated handles. Lap joint, double-bladed opening spring.

**Application**  
For high precision electronic work.  
**Quality**  
C 60, cutting edges induction hardened.



63255

Cutting rate for wire up to Ø mm	Head thickness mm	Head width mm	Length mm	63255	...		
						hard	soft
0,4	1,2	1,2	7,5	11	115	101	

**63258** Electronics diagonal end cutter



**Type**  
Cutting edge angle 29°, w/o. bevelled cutting edge, deep black burnished, polished. Red, plastic-coated handles. Lap joint, double-bladed opening spring.

**Application**  
For high precision electronic work.  
**Quality**  
C 60, cutting edges induction hardened.



63258

Cutting rate for wire up to Ø mm	Head thickness mm	Head width mm	Length mm	63258	...		
						hard	soft
-	1,2	1,4	7	10	115	101	

**63270** Electronics diagonal cutting pliers DIN/ISO 9654



**Type**  
Very slim shape, narrow head, galvanised, dazzle-free. Plastic-coated handles. Well-mounted and frictionless double-blade opening spring.

**Application**  
For high precision work on electronic construction parts.

**Quality**  
Special tool steel, induction hardened precision cutting edges. Approx. 64 HRC.

- 63270 101**  
With faced blades.
- 63270 102**  
With bevelled cutting edge and wire clamp.
- 63270 103**  
With small bevelled cutting edge, for surface-equal cutting.
- 63270 104**  
With small bevelled cutting edge and wire clamp.



63270

Cutting rate for wire up to Ø mm	Head thickness mm	Head width mm	Length mm	63270	...			
						piano	hard	soft
0,4	0,6	1,0	1,3	6,5	10,5	125	101	
0,4	0,6	1,0	1,3	6,5	10,5	125	102	
0,4	0,4	1,0	1,3	6,5	10,5	125	103	
0,4	0,4	1,0	1,3	6,5	10,5	125	104	

### 63271

### Electronics diagonal cutting pliers



#### Type

Precision lap joint, low-friction double spring for soft and even opening action. Mirror-polished and with a thin oil film in order to provide corrosion protection. No disturbances in the circuit due to chip-off of chrome particles. Cutting edges additionally inductively hardened. With bicolour multi-component grips.

#### Application

Precision pliers for precision cutting jobs, e.g. in electronics and precision mechanics.

#### Quality

**Special tool steel, hardened in oil and tempered.**

#### 63271 100

##### Type

Round head with small facette. Hardness of cutting edges approx. 62 HRC.

#### 63271 101

##### Type

Round head, with facette and wire clamp. Cut-off wire pieces do not fly away. Hardness of cutting edges approx. 62 HRC.

#### 63271 102

##### Type

Round head, without facette, hardness of cutting edges approx. 57 HRC.

#### 63271 103

##### Type

Pointed head, with small facette, hardness of cutting edges approx. 62 HRC.

#### 63271 105

##### Type

Pointed miniature head, with small facette, hardness of cutting edges approx. 62 HRC.



63271 100



63271 101



63271 102



63271 103



63271 105

Cutting rate for wire up to Ø mm			Head thickness mm	Head width mm	Length mm	63271	...
hard	soft	copper					
0,5	1,2	1,6	7,5	11	115		100
0,5	1,2	1,6	7,5	11	115		101
-	1,0	1,3	7,5	11	115		102
0,5	1,2	1,3	7,5	11	115		103
-	-	0,8	6,5	9,5	115		105

### 63272

### ESD diagonal cutting pliers



#### Type

**Electrically dissipative**, precision lap joint, low-friction double spring for soft and even opening action. Mirror-polished and with a thin oil film in order to provide corrosion protection. No disturbances in the circuit due to chip-off of chrome particles. Cutting edges additionally inductively hardened, hardness of cutting edges approx. 62 HRC. Handles with bicolour multi-component grips black/grey.

#### Application

Precision pliers for precision cutting jobs, e.g. in electronics and precision mechanics.

#### Quality

**Special tool steel, hardened in oil and tempered.**

#### 63272 101

##### Type

Round head with small facette.

#### 63272 102

##### Type

Pointed head without facette.

#### 63272 107

##### Type

Pointed miniature head with very small facette.



63272 101



63272 102



63272 107

Cutting rate for wire up to Ø mm			Head thickness mm	Head width mm	Length mm	63272	...
hard	soft	copper					
0,5	1,2	1,6	7,5	11	115		101
-	1,0	1,3	7,5	11	115		102
-	-	0,8	6,5	9,5	115		107

### 63273

### Electronics diagonal cutting pliers DIN/ISO 9654



#### Type

**Heavy-duty shape**, polished, plastic-coated handles, lap joint. Well-mounted and frictionless double-blade opening spring. With bevelled cutting edge and wire clamp.

#### Quality

**Special tool steel, cutting edges additionally induction hardened, approx. 60 HRC.**



63273

Cutting rate for wire up to Ø mm			Head thickness mm	Head width mm	Length mm	63273	...
hard	soft	copper					
0,5	1,6	1,6	7,5	11	115		101



## • Electronics diagonal cutting pliers

63275

### Electronics diagonal cutting pliers Super-Knips DIN/ISO 9654



Without bevelled cutting edge, handles with bicolour multi-component grips, joint free from float.

63275 101-103

Ground cutting edges, **bright head.**

**Application**

For soft wire. For surface-equal cutting.

**Quality**

Stainless steel. Approx. hardness of edges HRC 53.

63275 102

With wire clamp.

63275 103

Cutting edges angled at 60°.

63275 105-106

With induction hardened cutting edges, **head** **burnished**, dazzle-free.

**Application**

For hard and soft wire. For surface-equal cutting.

**Quality**

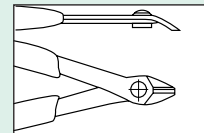
Special tool steel.

Approx. hardness of edges HRC 64.

63275 106

With wire clamp.

Cutting rate for wire up to Ø mm			Length mm	Jaw length mm	63275 ...
piano	medium-hard	soft			
-	1,0	0,2 - 1,6	125	9,0	101
-	1,0	0,2 - 1,6	125	9,0	102
-	0,6	0,2 - 1,0	125	5,5	103
0,6	1,2	0,2 - 1,6	125	9,0	105
0,6	1,2	0,2 - 1,6	125	9,0	106



63276

### ESD diagonal cutting pliers SUPER KNIPS



**Type**

**Electrically dissipative**, precision-ground cutting edges without facette for surface-true cutting.

Precisely tips can cut close wires from Ø 0,2 mm, joint with stainless steel rivet, extremely easy handling for non-tiring work, with opening spring and opening limiter, handles with bicolour multi-component grips black/grey.

**Application**

Precision pliers for precision cutting jobs, e.g. in electronics and precision mechanics.

63276 101

INOX - stainless steel, hardness of cutting edges approx. 54 HRC.

63276 105

Special tool steel, burnished, cutting edges inductively hardened, approx. 64 HRC.

Cutting rate for wire up to Ø mm			Head thickness mm	Head width mm	Length mm	63276 ...
hard	soft	copper				
-	1,0	1,6	7,5	13,5	125	101
0,6	1,2	1,6	7,5	13,5	125	105



63285

### Electronics diagonal cutting pliers



**Type**

Grips made of celluloseacetat, nickel-plated, chrome-plated, highly polished, with opening spring, wear-proof screw joint.

**Quality**

SKF-special steel, cutting edges induction hardened.

63285 102

Very slim shape, cutting edge angled at 12°, with bevelled cutting edge.

63285 104

Slim shape, rounded head, with bevelled cutting edge.

63285 105

Slim shape, rounded head, w/o. bevelled cutting edge.

63285 106

Heavy-duty model, cutting edge angled at 12°, with bevelled cutting edge.

63285 107

Heavy-duty model, cutting edge angled at 12°, without bevelled cutting edge.

63285 108

Pointed jaws, without bevelled cutting edge.

Cutting rate for wire up to Ø mm			Length mm	63285 ...	Cutting rate for wire up to Ø mm			Length mm	63285 ...
hard	copper	mm			hard	copper	mm		
0,25	1,25	110,0	102	0,70	1,60	125,0	106		
0,50	1,25	110,0	104	-	1,60	125,0	107		
-	1,00	110,0	105	0,20	1,25	112,5	108		



63288

### Electronics diagonal cutting pliers



**Type**

Nickel-plated and chrome-plated, highly polished, grips made of celluloseacetat. Very slim shape,

pointed jaws, with compression spring, w/o. bevelled cutting edge.

**Quality**

SKF-special steel, cutting edges induction hardened.

Cutting rate for wire up to Ø mm			Length mm	63288 ...
hard	copper	mm		
-	1,0	110	103	





63292

### Electronics diagonal cutting pliers

**>LINDSTROM®**

**Type**

**Pointed jaws**, black galvanised, lay-on precision joint with screw connection. Plastic grips and opening spring.

**Quality**  
High-alloyed ball bearing steel.

63292

Type	Cutting rate for wire up to Ø mm copper	Length mm	63292 ...
With bevelled cutting edge	1,25	110	201
With bevelled precision cutting edge	1,25	110	200
Without bevelled cutting edge	1,00	110	202



63293

### Electronics diagonal cutting pliers

**>LINDSTROM®**

**Type**

**Pointed, hollow jaws**, black galvanised, lay-on precision joint with screw connection. Plastic grips and opening spring.

**Quality**  
High-alloyed ball bearing steel.

63293

Type	Cutting rate for wire up to Ø mm copper	Length mm	63293 ...
With small bevelled cutting edge	1,0	110	102
Without bevelled cutting edge	0,8	110	103



63295

### Electronics diagonal cutting pliers

**>LINDSTROM®**

**Type**

**Oval jaws**, black galvanised, lay-on precision joint with screw connection. Plastic grips and opening spring.

**Quality**  
High-alloyed ball bearing steel.

63295

Type	Cutting rate for wire up to Ø mm spring steel	Cutting rate for wire up to Ø mm copper	Length mm	63295 ...
With bevelled cutting edge	0,4	1,60	112,5	101
With small bevelled cutting edge	-	1,60	112,5	102
Without bevelled cutting edge	-	1,25	112,5	103



63296

### Electronics diagonal cutting pliers

**>LINDSTROM®**

**Type**

**Oval jaws**, black galvanised, lay-on precision joint with screw connection. Plastic grips and opening spring.

**Quality**  
High-alloyed ball bearing steel.

63296

Type	Cutting rate for wire up to Ø mm piano	Cutting rate for wire up to Ø mm copper	Length mm	63296 ...
With bevelled cutting edge	0,4	2,0	125	101
With small bevelled cutting edge	-	2,0	125	102
Without bevelled cutting edge	-	1,6	125	103



63297

### Electronics diagonal cutting pliers

**>LINDSTROM®**

**Type**

**With faced blades. Pointed jaws**, black galvanised, lay-on precision joint with screw connection. Plastic grips and opening spring.

**Quality**  
High-alloyed ball bearing steel.

63297

Cutting rate for wire up to Ø mm spring steel	Cutting rate for wire up to Ø mm copper	Length mm	63297 ...
0,4	2,0	125	101



63298

### Electronics diagonal end cutter

**>LINDSTROM®**

**Type**

**Jaws**, black galvanised, lay-on precision joint with screw connection. Plastic grips and opening spring. With small bevelled cutting edge, 45° angled.

**Quality**  
High-alloyed ball bearing steel.

63298

Type	Cutting rate for wire up to Ø mm copper	Length mm	63298 ...
With small bevelled cutting edge	0,80	117,5	103



• Electronics diagonal cutting pliers • ESD diagonal cutting pliers • ESD Electronic Pliers

**63299** Electronics diagonal cutting pliers and grip pliers



63299 101-106 + 110-111  
 Electronics diagonal cutting pliers DIN/ISO  
 9654/9655.

**Type**  
 Ergonomically shaped two-component grips, opening spring, precision-ground joint surfaces.

**Quality**  
 Alloyed ball bearing steel, forged.

63299 107-109  
 Electronics grip pliers DIN 6955  
**Type**  
 Ergonomically shaped two-component grips, opening spring, precision-ground joint surfaces. For gripping, holding and bending.

**Quality**  
 Alloyed ball bearing steel, forged.



Type	Cutting rate for wire up to Ø mm			Length mm	63299	...
	soft	middle	hard			
Round head with very small facette	0,2 - 1,5	0,80	0,5	125		101
Round head without facette	0,1 - 1,2	0,65	-	125		102
Pointed head with very small facette	0,2 - 1,3	0,70	0,4	125		103
Pointed head without facette	0,1 - 1,0	0,55	-	125		104
Miniature head with very small facette	0,2 - 1,0	0,55	0,3	120		105
Miniature head without facette	0,1 - 0,8	0,40	-	120		106
flat, wide jaws	-	-	-	135		107
flat-round jaws	-	-	-	135		108
round, pointed jaws	-	-	-	135		109
Pointed head with very small facette	0,2 - 1,3	0,70	0,4	125		110
Pointed head with very small facette	0,1 - 1,0	0,55	-	125		111

**63301** ESD electronics diagonal cutting pliers and grip pliers



63301 101-106 + 110-111  
 ESD precision electronics diagonal cutting pliers

**Type**  
 For precision cutting jobs, e.g. in electronics and precision mechanics. Pliers with small facettes for exact cuts even of sensitive electronic parts. Cutting edges additionally inductively hardened, hardness of cutting edges approx. 64 HRC. Electrically dissipative version. Bicolour multi-component ESD grips.

**Quality**  
 Made of chrome-vanadium ball bearing steel of highest accuracy grade, head burnished.

63301 107-109  
 ESD precision electronics grip pliers  
**Type**  
 For general maintenance work e.g. in electronics and precision mechanics. For gripping, holding and bending. Electrically dissipative version. Bicolour multi-component ESD grips.

**Quality**  
 Made of chrome-vanadium ball bearing steel of highest accuracy grade, head burnished.



Type	Cutting rate for wire up to Ø mm			Length mm	63301	...
	soft	middle	hard			
Round head with very small facette	0,2 - 1,5	0,80	0,5	125		101
Round head without facette	0,1 - 1,2	0,65	-	125		102
Pointed head with very small facette	0,2 - 1,3	0,70	0,4	125		103
Pointed head without facette	0,1 - 1,0	0,55	-	125		104
Miniature head with very small facette	0,2 - 1,0	0,55	0,3	120		105
Miniature head without facette	0,1 - 0,8	0,40	-	120		106
flat, wide jaws	-	-	-	135		107
flat-round jaws	-	-	-	135		108
round, pointed jaws	-	-	-	135		109
Pointed head with very small facette	0,2 - 1,3	0,70	0,4	125		110
Pointed head with very small facette	0,1 - 1,0	0,55	-	125		111

www.atorn.com



Performance requires quality.

- Screwdrivers by ATORN:
- blades full-hardened
  - precise desing of the tips
  - best resilience
  - perfect feel

This is but one example of ATORN's high-quality hand tools.



### 63315 - 63316

### Electronics and ESD grip pliers



#### Type

Precision lap joint, smoothly ground grip surfaces, edges carefully deburred, low-friction double spring for soft and even opening action. Mirror-polished and with a thin oil film in order to provide corrosion protection. No disturbances in the circuit due to chip-off of chrome particles. Handles with bicolour multi-component grips.

#### Application

Precision pliers for precision general maintenance work e.g. in electronics and precision mechanics, for gripping, holding and bending.

#### Quality

Special tool steel, hardened in oil and tempered.

#### 63315 101

##### Type

Flat, wide jaws.

#### 63315 102

##### Type

Flat round jaws.

#### 63315 103

##### Type

Round, pointed jaws.

#### 63315 104

##### Type

45° angled, flat round jaws.

#### 63316 101

##### Type

Electrically dissipative.

Flat, wide jaws.

#### 63316 102

##### Type

Electrically dissipative.

Flat round jaws.

#### 63316 103

##### Type

Electrically dissipative.

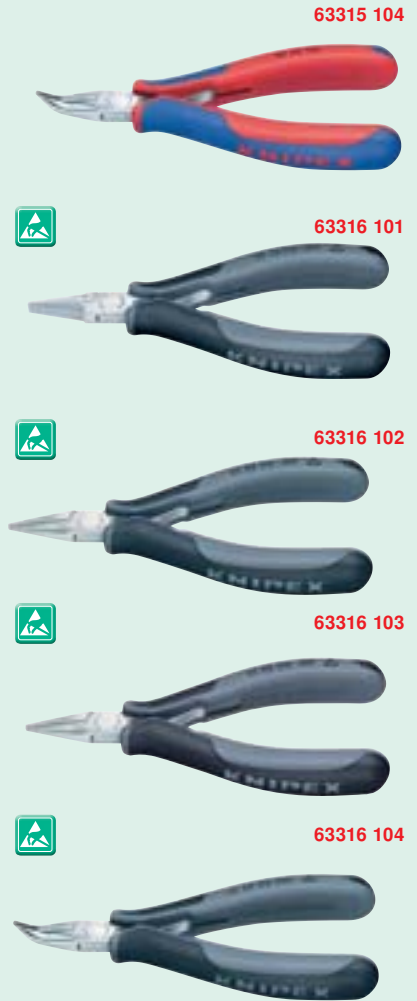
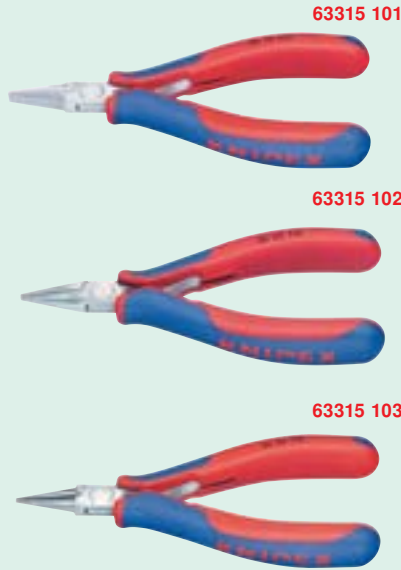
Round, pointed jaws.

#### 63316 104

##### Type

Electrically dissipative.

45° angled, flat round jaws.



Length mm	ESD	
	63315 ...	63316 ...
115	101	101
115	102	102
115	103	103
115	104	104

### 63320

### Electronics flat-nosed pliers



#### Type

Smooth jaws, deep black finish, polished. Red, plastic-coated handles. Lap joint, double-bladed opening spring.

#### Quality

C 45.



Jaws	Jaw length mm	Total length mm	63320 ...
short	23	120	101
long	40	145	102

### 63323

### Electronics needle-nose pliers



#### Type

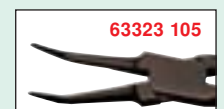
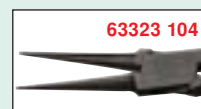
Smooth jaws, deep black finish, polished. Red, plastic-coated handles. Lap joint, double-bladed opening spring.

#### Quality

C 45.



Jaws	Jaw length mm	Total length mm	63323 ...
short	23	120	101
long	38	145	102
needle-nose, long	38	145	104
45° bent nose	23	120	105



• ESD Electronic Pliers • Elektronik-Seitenschneider • Tweezers

63355

Set of ESD electronics pliers



**Type**  
6-part, in artificial leather case. With precision lap joint and well-mounted, frictionless double-spring. With bicolour multi-component grips, **electrically dissipative**.  
**Application**  
For all works in electronic and telecommunications industries, as well as precision mechanic service and **dangerous electrostatical areas (ESD)**.

- Set contents:**  
1 grip pliers, jaws flat, wide,  
1 grip pliers, jaws flat, round,  
1 grip pliers, jaws flat, round, angled 45°,  
1 diagonal cutting pliers, round head, with small facette,  
1 diagonal cutting pliers, pointed head, with small facette,  
1 diagonal end cutter with small facette.



63355

Contents	63355	...
6-part		101

63380

Electronics diagonal cutting pliers DIN ISO 5749



**Type**  
Oval jaws, burnished, cutting edges and jaws computer-ground. With opening spring and compression spring to hold cut-off wire.  
**Application**  
Precision mechanics, electronics and telecommunications.

**Quality**  
Heavy-duty tool steel, cutting edges induction hardened 58-60 HRC.



63380

Type	Cutting rates Ø mm copper wire	Length mm	Head thickness/width mm	63380	...
With bevelled cutting edge	0,3 - 1,5	120	6,8/11		101
Fine bevelled precision cutting edge	0,3 - 1,5	120	6,8/11		102

63385

Electronics diagonal end cutter DIN ISO 5748



**Type**  
Burnished, cutting blades and jaws computer-ground. With opening spring.  
**Application**  
Precision mechanics, electronics and telecommunications.

**Quality**  
Heavy-duty tool steel, cutting edges induction hardened 58-60 HRC.



63385

Type	Cutting rates Ø mm copper wire	Length mm	Head thickness/width mm	63385	...
Fine bevelled precision cutting edge	0,3 - 1,25	119	6,8/10		101

63400

Tweezers sets



**Type**  
In artificial leather pouch, length approx. 145 mm.

**Quality**  
Stainless steel, dazzle-free.

	63400...	201	202
1 mounting tweezer for vertical components		X	X
1 mounting tweezer for horizontal components		X	X
1 mounting tweezer for diagonally seated components		X	X
1 mounting tweezer for flat components		X	X
1 unsoldering tweezer with gripper tips to extract securely seated components		X	X
1 grip tweezer for flat components such as transistor capacitors etc.		X	
1 heat sink tweezer with cool tips made of copper, non-magnetic		X	
1 precision mechanic's tweezer, hollow tips, straight			X
1 precision mechanic's tweezer, flat, precision tapered tips, straight			X
1 pointed tweezer, with serrated legs and tips, straight			X
1 gripping tweezer, heavy-duty, rounded tips, coarse serration, straight			X
1 mounting tweezer, with guide pin, serrated tips, curved			X
Contents	63400	...	
7-part			201
10-part			202



63400 201



63400 202

### 63403

### Multi-purpose tweezers



**Quality**  
Nickel-plated steel.

**63403 101-102**  
Precision grip, rounded and serrated tips 3mm, straight.

**63403 103**  
Plastic-coated up to tips, red.

Length mm	63403 ...
120	101
145	102
145	103



### 63405

### Multi-purpose tweezers



**Quality**  
Nickel-plated steel.

**63405 101**  
Precision grip, slime tips 1,5mm, serrated tips, with guide pin, curved.

**63405 102**  
Plastic-coated up to tips, red, w/o guide pin.

Length mm	63405 ...
155	101
155	102



### 63410

### Precision tweezers



**Type**  
Delicate spring setting, wide jaws. Precision, long tips.

**63410 101**  
**Quality**  
Nickel-plated steel.

**63410 102**  
**Quality**  
Stainless steel, non-magnetic.

Length mm	63410 ...
130	101
130	102



### 63412

### Precision tweezers, Touch Point



**Type**  
**Touch Point = ergonomically-shaped handle padding, which reduces the necessary force by approx. 33 %.** Bending forces at the tip and on the clamped workpieces are reduced. One advantage when working in limited viewing circumstances (magnifying glasses, microscopes): The tweezers can be picked up without looking and the perfect grip position is easily found.

**63412 101**  
**Extra small tweezers**  
**Type**  
Straight, precision long tips, with dazzle-free matt-finishing.

**63412 103**  
**Electronics tweezers**  
**Type**  
Bent, precision long tips with contra bend, with dazzle-free matt-finish.

Length mm	63412 ...
108	101
130	102
122	103



### 63415

### Titanium electronics tweezers



**Type**  
Extremely lightweight, electrically conductive, high mechanical strength, corrosion-resistant against aggressive acids, 100 % non-magnetic, dazzle-free matt-finish.

**63415 101**  
**Titanium electronics tweezers**  
**Type**  
Pointed.

**63415 103**  
**Titanium extra small tweezers**  
**Type**  
Flat, precision tips.

**Quality**  
Titanium, stainless steel.

**63415 102**  
**Titanium multi-purpose tweezers**  
**Type**  
Pointed, offset, precision guided, with pin.

63415 101

Length mm	63415 ...
120	101
155	102
108	103



• Tweezers



**63417 ESD precision tweezers**



**63417 101**  
ESD extra small tweezers  
Type  
Bent, precision tips, ESD safe.

**63417 103**  
ESD electronics tweezers  
Type  
With contra bend, dazzle-free matt-finishing, ESD safe.

63417 101



**63417 102**  
ESD electronics tweezers  
Type  
Pointed, ESD safe.

63417 102



63417 103



Length	63417	...
mm		
108		101
120		102
122		103

**63420 Cross-type tweezers**



Type  
Wide, spade-shaped tips. Straight and serrated.

Quality  
Nickel-plated steel.

63420



Length	63420	...
mm		
160		101

**63425 Cross-type tweezers**



Type  
Precision tips, curved. Heat-transmission protection made of plastics.

Quality  
Nickel-plated steel.

63425



Length	63425	...
mm		
160		101

**63430 Cross-type tweezers**



Type  
Straight, wide tips, rounded. Soldered copper jaws, heat-transmitting.

Quality  
Nickel-plated steel.

63430



Length	63430	...
mm		
160		101

**63450 Precision extra small tweezers**



Type  
Delicate spring setting, legs and tips hardened.

**63450 108**  
Stainless steel, curved tips.  
Quality  
Austenitic steel.

63450 101



**63450 101**  
Stainless steel, non-magnetic, straight, pointed.  
Quality  
Special steel.

63450 108



Length	63450	...
mm		
120		101
105		108



### 63455

### Precision tweezers



#### Type

Delicate spring setting, legs and tip hardened.

Quality  
Special steel.  
63455 101  
Hollow tips, polished.

63455 102  
Polished.  
63455 103  
Polished, tip width 2 mm.

Length mm	63455 ...
112	101
127	102
120	103



63455

### 63460

### Jeweller's tweezers



#### Type

Delicate spring setting, legs and tips hardened, with rounded tips. Fine serrated jaws.

Quality  
Special steel.  
63460 101+103  
Polished and nickel-plated.

63460 102  
Plastic-coated up to tips, red.

Length mm	63460 ...
140	101
140	102
160	103



63460 101+103



63460 102

### 63465

### Precision technician's tweezers



#### Type

Delicate spring setting, legs and tips hardened, rounded jaws with fine teeth.

Quality  
Special steel.

63465 101-105

Type	Length mm	63465 ...
Polished and nickel-plated	120	101
Polished and nickel-plated	145	102
Polished and nickel-plated	200	103
Stainless, non-magnetic	145	105
Plastic-coated up to tips, red	120	106
Plastic-coated up to tips, red	145	107
Plastic-coated up to tips, red	200	108



63465 106-108



### 63470 - 63475

### Precision tweezers



Quality  
Special steel.

#### 63470

#### College model

Curved, fine serrated, hardened tips.

63470 103  
Stainless steel, non-magnetic.  
63470 104  
Polished, nickel-plated. Hardened spring.

63475  
Cross-Type tweezers  
Hardened spring. Polished, nickel-plated.

Length mm	63470 ...	63475 ...
150	103	
150	104	
150	105	
155		101



63470 103



63470 105



63475

### 63482

### Electronics mounting tweezers



#### Type

Smooth gripping surfaces.

#### Application

For inserting and unsoldering electronic components.

Quality  
Stainless steel, dazzle-free.



63482 101



63482 102



63482 103



For components Ø mm	Length mm	63482 ...
vertical 2,5 - 5	145	101
horizontal 2,5 - 5	145	102
diagonal 2,5 - 5	145	103

• Tweezers • ESD product range



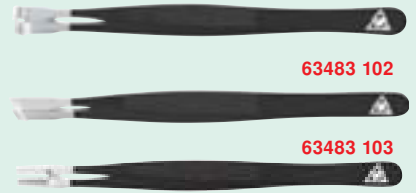
**63483 ESD mounting tweezers**

**HHW**  
63483 101  
**Type**  
Ø 3,5 mm horizontal, dazzle-free matt-finished, ESD-safe.

63483 102  
**Type**  
Ø 1,5 mm, diagonal, dazzle-free matt-finished, ESD-Safe.

63483 103  
**Type**  
Long and hollow, dazzle-free matt-finished, ESD safe.

Length	63483	...
mm		
120		101
120		102
120		103



**63485 Electronics mounting tweezers**

**HHW**  
**Type**  
Wide grip surfaces.  
**Quality**  
Stainless steel, dazzle-free.

63485 101  
For flat components, e.g. transistor capacitors.

63485 102  
Soft sheathed gripping surfaces, temperature resistant up to approx. 350 °C. For components made of ceramics.

Length	63485	...
mm		
145		101
145		102



**63487 Electronics IC grip tweezers**

**HHW**  
**Type**  
Non-magnetic, with gripper tips.

**Application**  
For retracting and re-inserting IC's.

**Quality**  
Stainless steel, dazzle-free.

Length	63487	...
mm		
120		101



**63492 Electronics unsoldering tweezers**

**HHW**  
**Type**  
With grippers.

**Application**  
For extracting securely seated, round and cubic components up to 10mm.

**Quality**  
Stainless steel.

Length	63492	...
mm		
145		101



**63496 PLCC removal tool**

**Type**  
Made of dissipating plastics, ESD/EGB safe. With hooks made of stainless hardened steel. With spring for automatic opening. Easiest and safest handling.

**EGB protection in compliance with DIN EN 100 015.**  
**Application**  
For all PLCC components (20-124 pins).

63496

	63496	...
		101



**63497 Tweezers with magnifying glass**

**HHW**  
**Type**  
Hardened tips, magnifying glass Ø 30 mm,

magnification 3 1/2 - 4-x.  
**Quality**  
Special steel.

63497

Length	63497	...
mm		
120		101



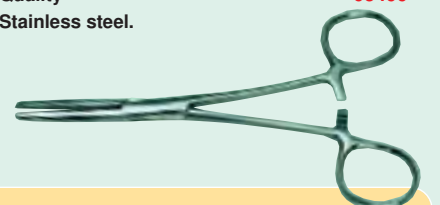
**63499 Multi-purpose clamp**

**HHW**  
**Type**  
Long tips, with adjustable locking clamp.

**Application**  
Specially suitable for assembly work.

**Quality**  
Stainless steel.

Length	63499	...
mm		
145		101





63614

### ESD bench trolley



63614 101

**Bench trolley SAP-507-ESD**

Base frame made of powder-coated steel profiles. Table top 26 mm, resistant against heat, solder, acids and solvents. Chip board coated with ESD laminate. Earthing by means of a resistor. Adjustable in height by means of Allen screws, 650-900 mm. Load capacity 150 kg. With 4 steering wheels 100 mm, 2 of which are conductive and 2 of which with stop locks. Colour RAL 7045.

**Note:**

Lower shelf not included (cat.-no. 63614 102).

63614 102

**Lower shelf AT-507-ESD**

For bench trolley SAP-507 (cat.-no. 63614 101).



63614

Type		63614	...
<b>Bench trolley</b>	SAP-507-ESD	101	
<b>Lower shelf</b>	AT-507-ESD	102	

63615

### ESD swivel chair



**Type**

5 star base with soft, conductive rollers, pneumatic safety spring, standard seating height 42-55 cm, robust and conductive cover for seat and back rest. Grey.



63615

		63615	...
		101	

63620 - 63621

### ESD visible storage cabinet



63620

**ESD visible storage cabinet**

**Type**

Frame made of conductive polypropylene, shelves made of galvanised steel and drawers made of conductive polystyrene. With earthing cable connector. Dimensions H x W x D 550 x 310 x 180 mm.

63620 101

**ESD visible storage cabinet type 551-ESD**

**Type**

With 48 drawers (dimensions H x W x D 34 x 61 x 146 mm).

63620 102

**ESD visible storage cabinet type 554-ESD**

**Type**

With 24 drawers (dimensions H x W x D 56 x 82 x 146 mm).

63620 201

**ESD partitions (cross) type V-1-4-ESD**

**Application**

Suitable for ESD visible storage cabinet type 551 (cat.-no. 63620 101). **Pack= 10 pcs.**

63620 202

**ESD partitions (cross) type V-4-4-ESD**

**Application**

Suitable for ESD visible storage cabinet type 554 (cat.-no. 63620 102). **Pack= 10 pcs.**

63621

**ESD rotary stand**

**Type**

Comprised of ball-bearing mounted live ring with rotary base, shelves and covers. Load capacity approx. 400 kg. Earthing by means of a resistor (1 MOhm). Dimensions H x W x D 1730 x 500 x 500 mm.

**Application**

For 12 ESD visible storage cabinets type 551/554 (cat.-no. 63620 101-102).

**Note:**

Cabinets not included.

63620 101-102



63621

Type		63620	...	63621	...
<b>Visible storage cabinet</b>	551-ESD	101			
<b>Visible storage cabinet</b>	554-ESD	102			
<b>Partition</b>	V-1-4-ESD	201			
<b>Partition</b>	V-4-4-ESD	202			
<b>Rotary stand</b>	12-550-ESD			101	



## • ESD product range

63625

### ESD storage bins



#### Type

Made of conductive polypropylene. Corrugated floor and large opening for comfortable handling.



63625

Type	Outer dimensions H x W x D mm	63625	...
1015 ESD	75 x 105 x 165	101	
1520 ESD	105 x 149 x 192	102	
1525 ESD	130 x 149 x 250	103	

63640 - 63641

### ESD bags



#### 63640

##### SX10 Pink Poly bags

#### Type

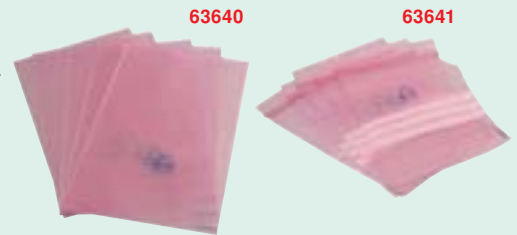
Heat-sealable bag made of low electrostatic generating LDPE film. In compliance with DIN EN 61340-5-1. Armine-free.

#### 63641

##### SX10 Pink Poly bags, resealable

#### Type

Bag made of low electrostatic generating LDPE film. In compliance with DIN EN 61340-5-1. Armine-free. Resealable by means of zip seal.



63640

63641

Type	Width x length mm	Pack = pcs.	63640	...	63641	...
SX 10	127 x 203	100	101			
SX 10	203 x 254	100	102		102	
SX 10	254 x 305	100	103		103	

resealable

63655 - 63656

### ESD table mats



#### 63655 101

##### ESD table mat

#### Type

2-ply composition rubber, resistant against solder and heat. Easy to clean thanks to smooth surface (suitable for cleanrooms).

On roll 10 x 1,2 m, 2 mm thick.

#### 63656

##### ESD table mat cleaner

#### Type

Cleaning detergent for dissipative and conductive surfaces. Easy cleaning of conventional dirt.

Sprayer 1 litre.



63655 101

63655 201

#### 63655 201

##### ESD table mat set

#### Type

- Table mat grey 600 x 900 mm, with 2 press studs 10 mm,
- Fabric wristband, adjustable, with 10 mm press stud,
- Light-duty helix cable 1,8 m, 10 mm press stud / banana plug,
- banana plug adapter with 10 mm press stud,
- earthing cable 3 m (with 1 MOhm resistor), black, 10 mm press stud and eyelet.



63656

Type	Colour	63655	...	63656	...
Table mat	light grey	101			
Table mat	grey	201			
Cleaning detergent	-				101

63660

### ESD technician's set



#### Type

Wear-resistant, dissipative vinyl, work mat – 585 x 595 mm, hemmed edges, 2 bags. Carrying bag with ESD symbol and labelling area. Standard IEC 61340-5-1/TR2. Consists of: 2 helix cables 3,0 m, black, 10 mm press stud x 10 mm press stud,

1 Megaohm,

- 1 wristband bordeaux, 10 mm press stud,
- 1 insulated alligator crimp with 10 mm press stud,
- 1 disposable wristband.

#### Application

For mobile use.



63660

		63660	...
			101



### 63665

### Earthing systems

63665 101

**Earthing cable**

**Type**

Earthing cable 3,0 m, black, 10 mm DK-connection - eyelet, 1 MOhm resistor.

63665 107

**Dummy earthing plug**

**Type**

Earthing connector 1 x 4 mm banana jack, 2 x 10 mm.  
For power sockets, earthing connectors ensure secure connection to electric earthing.

63665 110

**Adapter for banana plug**

**Type**

Insulating plastic sheath.

**Application**

10 mm to 10 mm DK-connection.

Type	63665	...
Earthing cable	101	
Dummy earthing plug	107	
Adapter	110	



63665 110

### 63670

### Wristbands



63670 101

**Fabric wristband**

**Type**

10 mm DK, connection. Fits all wrist sizes Non-allergic, non-metal surface. Blue.

63670 104

**Metal wristband set**

**Type**

10 mm DK, connection, banana plug. Fits all wrist sizes Replaceable plastic links. Incl. of helix cable 1,8 m. Colour black.

63670 102

**Fabric wristband set**

**Type**

10 mm DK, connection, banana plug. Fits all wrist sizes Non-allergic, non-metal surface. Incl. of helix cable 1,8 m. Colour blue.

63670 105-106

**Wristband earthing cable**

**Type**

1,8 m light-duty helix cable with 1 MOhm resistor.

63670 103

**Metal wristband**

**Type**

10 mm DK, connection. Fits all wrist sizes Replaceable plastic links. Colour: black.

63670 105

**Type**

10 mm DK-connection - 10 mm DK-connection.

63670 106

**Type**

10 mm DK, connection, banana plug.

Type	63670	...
Fabric wristband	101	
Fabric wristband set	102	
Metal wristband	103	
Metal wristband set	104	
Wristband earthing cable	105	
Wristband earthing cable	106	



63670 101



63670 102



63670 103



63670 104



63670 105-106

### 63680

### ESD gloves



**Type**

Polyamide, fingertips PU-coated, no seams, fuz-free. Pairs.

Size	63680	...
S	101	
M	102	
L	103	
XL	104	



63680

### 63700

### ESD heel straps



**Type**


Suitable for outdoor shoes. Conductive material for secure discharge. For both shoes **Pack = 100 pcs.**

Type	Pack = pcs.	63700	...
Disposable heel straps	100	101	



63700 101

• ESD product range • Brick trowels • Scrapers

**63710** EPA/ESD labels and marking tape 

**63710 104**  
**EPA sign (label)**  
**Type**  
 PVC foil, 300 x 500 mm, single.  
**Application**  
 For marking ESD-proof areas in compliance with the applicable standards.

**63710 106**  
**EPA marking tape**  
**Type**  
 PVC foil, width 50 mm,  
**Pack = 1 roll of 33 m.**  
**Application**  
 Adhesive tape for floors for marking an EPA



63710 104



63710 106


Type	63710	...
EPA sign (sticker)	104	
EPA marking tape	106	

**63750** ESD brushes 

**Type**  
 Conductive plastic handle.  
 Natural bristles in combination with conductive fibres.



Type	63750	...
Brush, 12,5 mm wide	101	
Round brush, 6,0 mm	102	
Brush, 30,0 mm long	104	

**63760 - 63761** ESD maintenance vacuum cleaner 

**63760**  
**ESD maintenance vacuum cleaner**  
**Type**  
 750 Watt, portable, quick assembly. Power cable, hose and accessories stored in the lid. Parts of the vacuum cleaner prevent electrostatic charges.  
**Scope of supply:** flexible hose (79 cm - 2,1 m), slot nozzle, slot nozzle brush, pickup pipe, filter type 2 (cat.-no. 63761 102), removable power cable.  
**Application**  
 For cleaning printers, PC's etc. The flexible hose allows access to hard-to-reach areas without having to move the vacuum cleaner.

**63761 101**  
**Special toner filter type 1**  
**Application**  
 For colour toners.  
 For ESD maintenance vacuum cleaner (cat.-no. 63760).  
**63761 102**  
**Special toner filter type 2**  
**Application**  
 For black toners.  
 For ESD maintenance vacuum cleaner (cat.-no. 63760).



63760

63761

Type	63760	...	63761	...
Maintenance vacuum cleaner	101			
Toner filtre type 1			101	
Toner filtre type 2			102	



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