

## 7 | PLIERS

**COMBINATION** PLIERS, FLAT NOSE PLIERS,  
ROUND NOSE PLIERS, SNIPE NOSE PLIERS  
→ PAGE 253



**CIRCLIP** PLIERS  
→ PAGE 258



**WATERPUMP** PLIERS, PIPE WRENCHES  
→ PAGE 260



**SELF GRIP** WRENCHES  
→ PAGE 262



**WIRE TWISTING** PLIERS, CONNECTOR PLIERS  
→ PAGE 2664



**SIDE CUTTERS**, OBLIQUE CUTTER,  
TOP CUTTERS  
→ PAGE 265



**PLASTIC SIDE-CUTTERS**  
→ PAGE 267



**WIRE STRIPPING** PLIERS, CABLE SHEAR,  
CRIMPING PLIERS, VARIOUS CUTTING PLIERS  
→ PAGE 268



**SETS OF TOOLS**  
→ PAGE 271



**ELECTRONICS** PLIERS  
→ PAGE 273

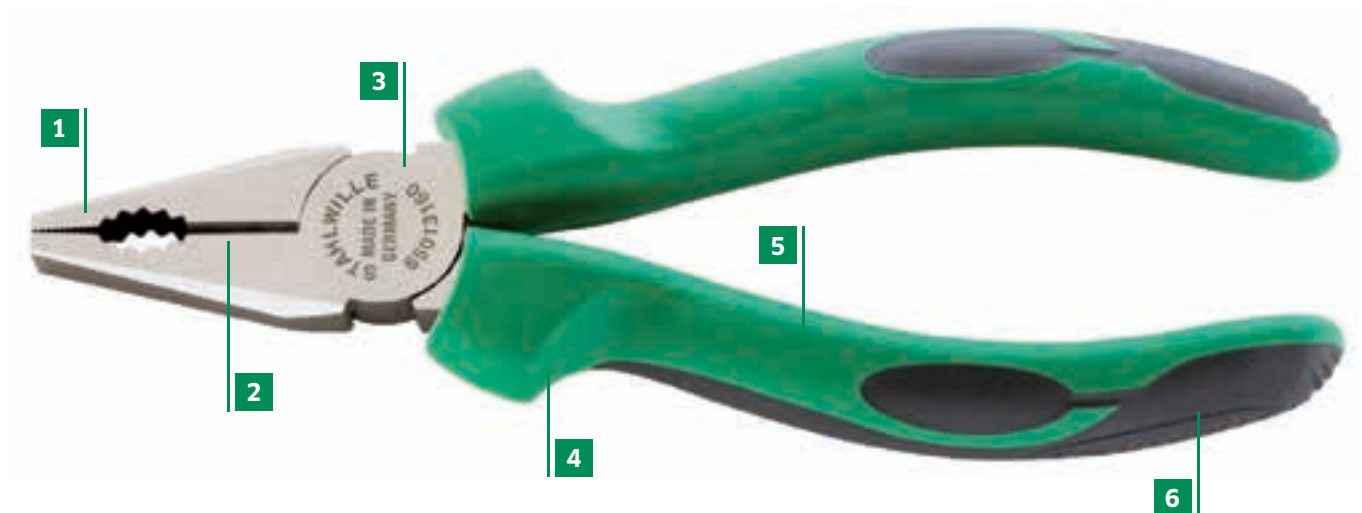




## Accurate. Strong. Dependable. **STAHLWILLE** pliers, cutters and wrenches

### **For accurate work and a powerful grip – with comfy-fit multi-component handles.**

When you are working with pliers, your hand needs optimum support and protection in the places where the pressure exerted on the hand is felt most keenly – through ergonomic handle design. STAHLWILLE has integrated softer layers in these sections of the handles. In this way, they fulfil two important functions. They prevent the hand slipping off the handle and, at the same time, absorb the shock produced when hard wires are cut. Even with oily or greasy hands, the textured surface ensures you still have a good grip on things. The special plastic we have used is also resistant to aggressive fluids and, at the end of the lifecycle, can be properly disposed of, because it does not contain PVC.

**1**

Accurate gripping! By using high-grade materials and applying our sophisticated manufacturing techniques, we are able to achieve remarkable accurately shaped jaws.

**2**

Clean, effortless cutting! Thanks to specially hardened, high-precision cutters.

**3**

Strain-free working and longer tool lifetimes! Thanks to smooth-action lap-joints.

**4**

Prevents injuries! The anti-slip protection prevents your hands slipping off towards the jaws.

**5**

Longer tool lifetime and resistance to aggressive fluids! Thanks to impact-resistant, extremely hard-wearing special plastic.

**6**

No pinch marks and strain-free working! The ergonomically positioned softer layers improve force transmission.

## Combination Pliers

### 6501 Combination pliers

DIN ISO 5746, precision cutting edges for all wires, incl. piano wire, induction hardened cutting edges, approx. 62 HRC, for long life.



6501 3 160



6501 5 160



6501 6 160

Code	L mm	Head	Handles	③	④	⑤	⑥	$\Delta$ g
6501 3 160	160	polished	multi-component handles with softer layers	1.8	1.5	10	16	183
6501 3 180	180			2	1.8	12	16	226
6501 3 200	200			2.5	2	13	16	312
6501 5 160	160	chrome plated	multi-component handles with softer layers	1.8	1.5	10	16	210
6501 5 180	180			2	1.8	12	16	235
6501 5 200	200			2.5	2	13	16	368
6501 6 160	160	polished	dip-coated with sure-grip surface	1.8	1.5	10	16	165
6501 6 180	180			2	1.8	12	16	190
6501 6 200	200			2.5	2	13	16	288

③ Cutting capacity in mm for hard wire

④ Cutting capacity in mm for piano wire

⑤ Cutting capacity in mm for cable

⑥ Cutting capacity in mm<sup>2</sup> for cable

## Flat Nose Pliers

### 6507 Flat nose pliers, short

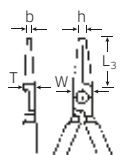
DIN ISO 5745, short, flat serrated jaws.



6507 5 160



6507 6 160



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta$ g
6507 5 160	160	chrome plated	multi-component handles with softer layers	30	17	10	5	9	180
6507 6 160	160	polished	dip-coated with sure-grip surface	30	17	10	5	9	151

### 6508 Flat nose pliers, long

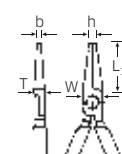
DIN ISO 5745, long, flat serrated jaws.



6508 5 160



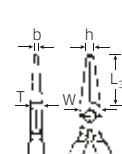
6508 6 160



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta$ g
6508 5 160	160	chrome plated	multi-component handles with softer layers	50	15	8	3	5	160
6508 6 160	160	polished	dip-coated with sure-grip surface	50	15	8	3	5	113

### 6509 Flat nose pliers, long, with cutter

designed for gripping and manipulating electronic components, long, thin, flat serrated jaws, induction hardened cutting edges, approx. 60 HRC, for soft and hard wires.

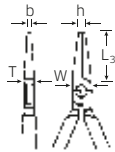


Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta$ g
6509 5 160	160	chrome plated	multi-component handles with softer layers	50	15	8	3	5	164

Pliers

6510 Mechanics flat nose pliers

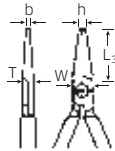
designed for use in fine mechanical and electronics industries, flat, slim, long serrated jaws, box joint, for long life, serrated gripping areas.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\frac{\Delta}{g}$
65 10 5 190	190	chrome plated	dip-coated with sure-grip surface	75	13.5	8.5	2	4.5	121

6516 Mechanics flat nose pliers

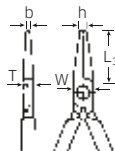
designed for use by instrument mechanics, flat blunt, serrated jaws, wear resistant.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\frac{\Delta}{g}$
65 16 5 200	200	chrome plated	dip-coated with sure-grip surface	40	13.5	9.5	2.5	9.5	158

6511 Relay pliers

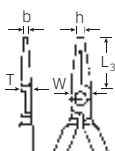
DIN 5235, Form A, flat pointed, for use on contact and relay springs and on small components, smooth jaws.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\frac{\Delta}{g}$
65 11 5 135	140	chrome plated	dip-coated with sure-grip surface	33	13	7.5	1	1.5	72

6512 Relay pliers

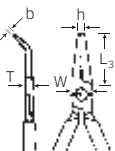
DIN 5235, Form B, flat blunt, for use on contact and relay springs and on small components, smooth jaws.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\frac{\Delta}{g}$
65 12 5 135	140	chrome plated	dip-coated with sure-grip surface	33	13	7.5	1	3.5	78

6513 Relay pliers

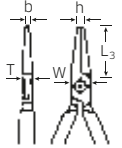
DIN 5235, Form C, flat bent, 45° in line with jaws, for use on contact and relay springs and on small components, smooth jaws.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\frac{\Delta}{g}$
65 13 5 135	140	chrome plated	dip-coated with sure-grip surface	31	13	7.5	1	3.5	78

## 6518 Mechanics gripping pliers

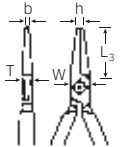
Form A, flat blunt, designed for use by instrument mechanics, wide precision jaws, smooth, tapering, box joint for precise movement.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta \nabla$ g
<b>6518 5130</b>	130	chrome plated	dip-coated with sure-grip surface	24	11.5	7	2	6.5	76

## 6519 Mechanics gripping pliers

Form B, flat pointed, designed for use by instrument mechanics, flat pointed precision jaws, smooth, tapering, box joint for precise movement.

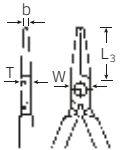


Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta \nabla$ g
<b>6519 5130</b>	130	chrome plated	dip-coated with sure-grip surface	24	11.5	7	1.5	2	72

## Round Nose Pliers

### 6523 Round nose pliers, short

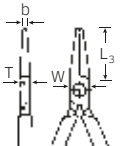
DIN ISO 5745, for bending wire loops and rings, short, round, ground jaws, fine serrations on gripping areas.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	b mm	$\Delta \nabla$ g
<b>6523 5160</b>	160	chrome plated	multi-component handles with softer layers	30	18	10	3	185

### 6524 Round nose pliers, long

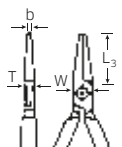
DIN ISO 5745, for bending wire loops and rings, long, round, ground jaws, fine serrations on gripping areas.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	b mm	$\Delta \nabla$ g
<b>6524 5160</b>	160	chrome plated	multi-component handles with softer layers	47	15.5	8.5	2.5	155

### 6525 Mechanics round nose pliers

for bending wire loops, round precision jaws, smooth, box joint for precise movement.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	b mm	$\Delta \nabla$ g
<b>6525 5130</b>	130	chrome plated	dip-coated with sure-grip surface	22	11.5	7	1.5	73

## Pliers

### Snipe Nose Pliers

#### 6529 Snipe nose pliers with cutter (radio- or telephone pliers)

DIN ISO 5745, Form A (straight), half round, long tapering, serrated jaws, with burner hole, precision cutting edges for soft and hard wires, induction hardened cutting edges, approx. 60 HRC.



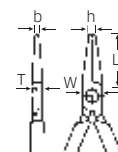
65 29 3 160



65 29 5 160



65 29 6 160



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	Δg
65 29 3 145	140	polished	multi-component handles with softer layers	44	15	8	2.5	2	115
65 29 3 160	160			51	16	9	3	2.5	155
65 29 3 200	200			73	17	9	3	2.5	197
65 29 5 145	140	chrome plated	multi-component handles with softer layers	44	15	8	2.5	2	115
65 29 5 160	160			51	16	9	3	2.5	170
65 29 5 200	200			73	17	9	3	2.5	220
65 29 6 145	140	polished	dip-coated with sure-grip surface	44	15	8	2.5	2	92
65 29 6 160	160			51	16	9	3	2.5	148
65 29 6 200	200			73	17	9	3	2.5	187

#### 6530 Snipe nose pliers with cutter (radio- or telephone pliers)

DIN ISO 5745, Form B, bent 45°, half round, long tapering, serrated jaws, with burner hole, precision cutting edges for soft and hard wires, induction hardened cutting edges, approx. 60 HRC.



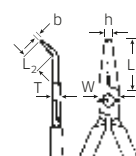
65 30 3 200



65 30 5 200



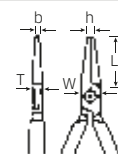
65 30 6 200



Code	L mm	Head	Handles	L <sub>2</sub> mm	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	Δg
65 30 3 160	160	polished	multi-component handles with softer layers	24	55	16	9	3	2.5	145
65 30 3 200	200			28	76	17	9	3.5	2.5	198
65 30 5 160	160	chrome plated	multi-component handles with softer layers	24	55	16	9	3	2.5	170
65 30 5 200	200			28	76	17	9	3.5	2.5	210
65 30 6 160	160	polished	dip-coated with sure-grip surface	24	55	16	9	3	2.5	146
65 30 6 200	200			28	76	17	9	3.5	2.5	178

#### 6531 Mechanics snipe nose pliers

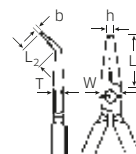
Form A (straight), designed for use on miniature electronic and mechanical components, half round extra thin, long tapering jaws with fine serration, box joint for precise movement.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	Δg
65 31 5 170	170	chrome plated	dip-coated with sure-grip surface	63	13.5	8	2.5	2	98

#### 6532 Mechanics snipe nose pliers

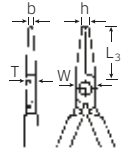
Form B, bent 45°, designed for use on miniature electronic and mechanical components, half round extra thin, long tapering jaws with fine serrations, box joint for precise movement.



Code	L mm	Head	Handles	L <sub>2</sub> mm	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	Δg
65 32 5 170	170	chrome plated	dip-coated with sure-grip surface	24	54	13.5	8	2.5	2	102

### 6533 Mechanics snipe nose pliers

half round, long tapering, serrated jaws.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta$ g
<b>6533 5 160</b>	160	chrome plated	dip-coated with sure-grip surface	50	15	8	3	2.5	129

### 6534 Mechanics snipe nose pliers

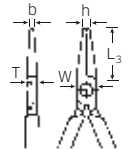
Form A (straight), half round, long tapering, serrated jaws.



**6534 5 200**



**6534 5 280**



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta$ g
<b>6534 5 200</b>	200	chrome plated	multi-component handles with softer layers	76	16	10	3	2.5	220
<b>6534 5 280</b>	280	chrome plated	dip-coated with sure-grip surface	73	20	9.5	3	2.5	255

### 6535 Mechanics snipe nose pliers

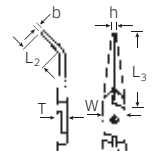
Form B (bent 45°), half round, long tapering, serrated jaws.



**6535 5 200**



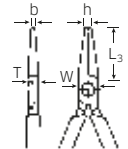
**6535 5 280**



Code	L mm	Head	Handles	L <sub>2</sub> mm	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta$ g
<b>6535 5 200</b>	200	chrome plated	multi-component handles with softer layers	28	68	17	9.5	3.5	2.5	220
<b>6535 5 280</b>	280	chrome plated	dip-coated with sure-grip surface	28	66	20	9.5	3	2.5	255

### 6536 Snipe nose pliers (needle pliers)

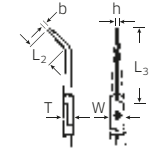
DIN ISO 9655, Form A (straight), designed for use on electronic components, half round, extra long tapering jaws, fine serration.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta$ g
<b>6536 5 160</b>	160	chrome plated	dip-coated with sure-grip surface	58	15	8.5	4	3	110

### 6537 Snipe nose pliers (needle pliers)

Form B, bent 45°, designed for use on electronic components, half round, extra long tapering jaws, fine serration.



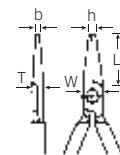
Code	L mm	Head	Handles	L <sub>2</sub> mm	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	$\Delta$ g
<b>6537 5 160</b>	160	chrome plated	dip-coated with sure-grip surface	25	54	14	8	1	3	115



## Pliers

### 6538 Mechanics snipe nose pliers

designed for use on miniature mechanical components, half round tapering jaws, wear resisting serration.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	Δg g
<b>65 38 5 200</b>	200	chrome plated	dip-coated with sure-grip surface	38	13	9.5	2.5	2	157

## Circlip Pliers

### 6543 Circlip pliers for inside circlips

DIN 5256 C, straight, H.D. drop forged, precision points.



**65 43 4 002**



**65 43 6 002**

Code	size	L mm	tips ∅ mm	for circlip sizes mm	Head	Handles	Δg g
<b>65 43 4 000</b>	<b>J 0</b>	140	0.9	8-13	matchrome plated	chrome plated, chequered	90
<b>65 43 4 001</b>	<b>J 1</b>	140	1.3	12-25			90
<b>65 43 4 002</b>	<b>J 2</b>	180	1.8	19-60			135
<b>65 43 4 003</b>	<b>J 3</b>	225	2.3	40-100			195
<b>65 43 4 004</b>	<b>J 4</b>	320	3.2	85-140			419
<b>65 43 6 000</b>	<b>J 0</b>	140	0.9	8-13	polished	dip-coated with sure-grip surface	100
<b>65 43 6 001</b>	<b>J 1</b>	140	1.3	12-25			100
<b>65 43 6 002</b>	<b>J 2</b>	180	1.8	19-60			150
<b>65 43 6 003</b>	<b>J 3</b>	225	2.3	40-100			215
<b>65 43 6 004</b>	<b>J 4</b>	320	3.2	85-140			462

### 6544 Circlip pliers for inside circlips

DIN 5256 D, bent 90°, H.D. drop forged, precision points.



**65 44 4 021**



**65 44 6 021**

Code	size	L mm	tips ∅ mm	for circlip sizes mm	Head	Handles	Δg g
<b>65 44 4 001</b>	<b>J 01</b>	130	0.9	8-13	matchrome plated	chrome plated, chequered	90
<b>65 44 4 011</b>	<b>J 11</b>	130	1.3	12-25			90
<b>65 44 4 021</b>	<b>J 21</b>	170	1.8	19-60			135
<b>65 44 4 031</b>	<b>J 31</b>	215	2.3	40-100			195
<b>65 44 4 041</b>	<b>J 41</b>	300	3.2	85-140			416
<b>65 44 6 001</b>	<b>J 01</b>	130	0.9	8-13	polished	dip-coated with sure-grip surface	100
<b>65 44 6 011</b>	<b>J 11</b>	130	1.3	12-25			100
<b>65 44 6 021</b>	<b>J 21</b>	170	1.8	19-60			150
<b>65 44 6 031</b>	<b>J 31</b>	215	2.3	40-100			215
<b>65 44 6 041</b>	<b>J 41</b>	300	3.2	85-140			432



Made in  
Germany



## 6545 Circlip pliers for outside circlips

DIN 5254 A, straight,  
H.D. drop forged, precision points,  
with wear resistant compression spring.



Code	size	L mm	tips Ø mm	for circlip sizes mm	Head	Handles	Weight g
<b>65 45 4 000</b>	<b>A 0</b>	140	0.9	3-10	mattchrome plated	chrome plated, chequered	95
<b>65 45 4 001</b>	<b>A 1</b>	140	1.3	10-25			95
<b>65 45 4 002</b>	<b>A 2</b>	180	1.8	19-60			145
<b>65 45 4 003</b>	<b>A 3</b>	210	2.3	40-100			205
<b>65 45 4 004</b>	<b>A 4</b>	315	3.2	85-140			437
<b>65 45 6 000</b>	<b>A 0</b>	140	0.9	3-10	polished	dip-coated with sure-grip surface	105
<b>65 45 6 001</b>	<b>A 1</b>	140	1.3	10-25			105
<b>65 45 6 002</b>	<b>A 2</b>	180	1.8	19-60			160
<b>65 45 6 003</b>	<b>A 3</b>	210	2.3	40-100			232
<b>65 45 6 004</b>	<b>A 4</b>	315	3.2	85-140			491

## 6546 Circlip pliers for outside circlips

DIN 5254 B, bent 90°,  
H.D. drop forged, precision points,  
with wear resistant compression spring.



Code	size	L mm	tips Ø mm	for circlip sizes mm	Head	Handles	Weight g
<b>65 46 4 001</b>	<b>A 01</b>	125	0.9	3-10	mattchrome plated	chrome plated, chequered	95
<b>65 46 4 011</b>	<b>A 11</b>	125	1.3	10-25			95
<b>65 46 4 021</b>	<b>A 21</b>	170	1.8	19-60			145
<b>65 46 4 031</b>	<b>A 31</b>	200	2.3	40-100			111
<b>65 46 4 041</b>	<b>A 41</b>	290	3.2	85-140			431
<b>65 46 6 001</b>	<b>A 01</b>	125	0.9	3-10	polished	dip-coated with sure-grip surface	105
<b>65 46 6 011</b>	<b>A 11</b>	125	1.3	10-25			105
<b>65 46 6 021</b>	<b>A 21</b>	170	1.8	19-60			160
<b>65 46 6 031</b>	<b>A 31</b>	200	2.3	40-100			236
<b>65 46 6 041</b>	<b>A 41</b>	290	3.2	85-140			468

## 6547 Special circlip pliers for slotted circlips

for slotted circlips (as used on shafts of engines,  
gearboxes, differentials, clutches etc.),  
with wear resistant compression spring.



Code	L mm	Head	Handles	Weight g
<b>65 47 4 170</b>	170	mattchrome plated	chrome plated, chequered	154
<b>65 47 6 170</b>	170	polished	dip-coated with sure-grip surface	162

## Pliers

### Waterpump Pliers

#### 6551 Waterpump pliers

DIN ISO 8976 (No 207 c),  
box joint, 7 adjustment positions  
(175 mm 6 adjustment positions),  
anti-squeeze protection, Chrome Vanadium.



65 51 5 240



65 51 6 175

Code	L mm	Jaw opening max. mm	Head	Handles	△ g
65 51 5 240	245	34	chrome plated	multi-component handles with softer layers	365
65 51 6 175	177	24	black lacquered, jaws polished	black lacquered, box frame polished, dip-coated	173
65 51 6 240	240	34			330
65 51 6 300	302	45			520

#### 6572 Waterpump pliers FastGRIP

**patent**, box joint with dual support, fast adjustment  
on the work piece via push button, freely adjustable,  
easy super fine adjustment with 10 snap-in points  
(180 mm), 12 snap-in points (240 mm), 15 snap-in  
points (300 mm), induction hardened jaw toothing –  
extremely hard and durable, safety clamping  
protection against squeezing injuries, Chrome Vanadium.



65 72 6 240

Code	L mm	Jaw opening max. mm	Head	Handles	△ g
65 72 6 180	180	28	polished	dip-coated with sure-grip surface	236
65 72 6 240	240	37			393
65 72 6 300	300	44			530

#### 6573 PowerGRIP pliers wrench

**patent**, box joint, fast adjustment via button press  
directly on the work piece, freely adjustable, easy  
super fine adjustment, high transmission ratio for  
noticeable amplification of manual force, for work  
pieces with parallel surfaces (nuts, screws etc.),  
also ideal for bending thin parallel work pieces  
(e.g. metal sheet), parallel jaws without profile to  
protect surface coated work pieces,  
"Ratchet effect" for screws by using the jaw stroke, extremely resistant overall construction, high quality tempered.



65 73 5 300

Code	L mm	Jaw opening max. mm	Head	Handles	△ g
65 73 5 180	192	36	chrome plated	dip-coated with sure-grip surface	291
65 73 5 250	253	46			485
65 73 5 300	300	60			661

#### 6554 Waterpump pliers, with rapid adjustment

DIN ISO 8976 (No 207 c),  
box joint "hook" adjustment,  
jaw with slot, Chrome Vanadium.



65 54 4 250

Code	L mm	Jaw opening max. mm	Head	Handles	△ g
65 54 4 250	255 <sup>1)</sup>	52	chrome plated	chrome plated, chequered	476
65 54 4 375	380	61			1066

<sup>1)</sup> anti-squeeze protection

#### 6954 Spare springs for No 6554

Code	Spare spring for No	△ g
69 54 0 002	65544250	3
69 54 0 003	65544375	4

## 6515 MINI-waterpump pliers

NEW

Chrome Vanadium.



Code	L mm	Jaw opening max. mm	Head	Handles	Weight g
<b>65 15 6 125</b>	125	25	black lacquered, polished	dip-coated with sure-grip surface	118

## Pipe wrenches

### 6549 Pipe wrenches

Type B, 45°, DIN 5234.



65 49 0 315

Code	size	L mm	Jaw opening max. mm	Head	Handles	Weight g
<b>65 49 0 315</b>	<b>1</b>	330	35	red lacquered	red lacquered	780
<b>65 49 0 420</b>	<b>1 1/2</b>	445	62			1626
<b>65 49 0 555</b>	<b>2</b>	560	78			2780

### 6556 Swedish pattern wrenches

Type A, 90°, DIN 5234.



65 56 0 310

Code	size	L mm	Jaw opening max. mm	Head	Handles	Weight g
<b>65 56 0 310</b>	<b>1</b>	320	44	red lacquered	red lacquered	780
<b>65 56 0 420</b>	<b>1 1/2</b>	420	64			1560
<b>65 56 0 560</b>	<b>2</b>	540	83			2676

### 6557 S-shaped Swedish pattern wrenches

Type C, DIN 5234.



65 57 0 320

Code	size	L mm	Jaw opening max. mm	Head	Handles	Weight g
<b>65 57 0 320</b>	<b>1</b>	330	40	red lacquered	red lacquered	811
<b>65 57 0 416</b>	<b>1 1/2</b>	440	60			1595
<b>65 57 0 535</b>	<b>2</b>	560	70			2677

### 6558 "Heavy Duty" pipe wrenches

US-standard GGG-W-651 Type II, category A.



65 58 0 300

Code	size	L mm	Jaw opening max. mm	Head	Handles	Weight g
<b>65 58 0 250</b>	<b>10"</b>	250	49	black lacquered	red lacquered	805
<b>65 58 0 300</b>	<b>12"</b>	300	61			1255
<b>65 58 0 350</b>	<b>14"</b>	350	61			1665
<b>65 58 0 450</b>	<b>18"</b>	450	77			2660
<b>65 58 0 600</b>	<b>24"</b>	600	90			4295

Pliers

6559 “Stillson” pipe wrenches

US-standard GGG-W-651 Type I, category A.



Code	size	L mm	Jaw opening max. mm	Head	Handles	⚖ g
65 59 0 250	10"	250	35	black lacquered	red lacquered	550
65 59 0 300	12"	300	43			750
65 59 0 350	14"	350	49			1080
65 59 0 450	18"	450	61			1725
65 59 0 600	24"	600	77			3000

Self Grip Wrenches

6561 Wide jaw self grip wrench

80 mm jaw width, quick release lever,  
Chrome Vanadium.



Code	L mm	S mm	Head	Handles	⚖ g
65 61 2 175	175	20	bright nickel-plated	bright nickel-plated	364

6562 Parallel jaw self grip wrench

forged jaws, quick release lever,  
Chrome Vanadium.



Code	L mm	S mm	Head	Handles	⚖ g
65 62 2 250	250	50	bright nickel-plated	bright nickel-plated	700

6562/1  
6562/2 Parallel jaw self grip wrenches

forged jaws, quick release lever, for small round  
parts (V-cutout in one jaw) and also suitable for  
larger workpieces, also ideal for gently gripping  
sensitive workpieces, Chrome Vanadium.



Code	L mm	S mm	Head	Handles	⚖ g
65 62 2 100	250	100	bright nickel-plated	bright nickel-plated	985
65 62 2 200	250	200			1154

6962 Plastic protective jaws for parallel jaw self grip wrenches No 6562/1 and No 6562/2

1 pair, provides additional protection for clamped workpieces.

Code	⚖ g
69 62 0 001	10

## 6563 Universal self grip wrenches

forged jaws (one straight, one contoured),  
quick release lever, Chrome Vanadium.



6563 2 175

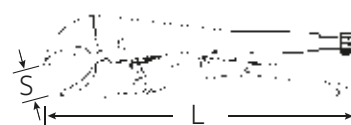
Code	L mm	S mm	Head	Handles	Δ g
6563 2 175	175	25	bright nickel-plated	bright nickel-plated	320
6563 2 250	250	30			500

## 6564 Self grip wrenches

forged contoured jaws, quick release lever,  
wire cutter, Chrome Vanadium.



6564 2 175



Code	L mm	S mm	Head	Handles	Δ g
6564 2 145	145	14	bright nickel-plated	bright nickel-plated	175
6564 2 175	175	30			323
6564 2 250	250	40			550
6564 2 300	300	65			977

## 6565 Welders self grip wrench

with quick release lever, Chrome Vanadium.



Code	L mm	S mm	Head	Handles	Δ g
6565 2 280	280	65	bright nickel-plated	bright nickel-plated	941

## 6566 Pipe welders self grip wrench

with quick release lever, Chrome Vanadium.



Code	L mm	S mm	Head	Handles	Δ g
6566 2 280	280	85	bright nickel-plated	bright nickel-plated	944

## 6567 C-Clamp self grip wrenches

with quick release lever, Chrome Vanadium.



6567 2 280

Code	L mm	S mm	Head	Handles	Δ g
6567 2 175	175	75	bright nickel-plated	bright nickel-plated	236
6567 2 280	280	85			694

Pliers

6568 Long reach grip wrenches

extra large capacity, quick release lever, Chrome Vanadium.



Code	L mm	S mm	Head	Handles	⌀ g
65 68 2 460	460	180	bright nickel-plated	bright nickel-plated	1100
65 68 2 600	600	240			1372

6571 Long nose self grip wrench

specially suitable for narrow, tapering access, with quick-release lever, Chrome Vanadium.



Code	L mm	S mm	Head	Handles	⌀ g
65 71 2 165	165	23	bright nickel-plated	bright nickel-plated	190

Wire Twisting Pliers

6575 Wire twisting pliers

for wire locking of metal fasteners, with side cutter, serrated jaws for positive grip, jaws angled by 40°, suitable for locking wires up to Ø 1.6 mm (dec. in. 0.06), **for clockwise and anticlockwise use**, with automatic return action, Chrome Vanadium.



Code	L mm	Head	Handles	⌀ g
65 75 1 220	230	gunmetal finish, polished	gunmetal finish	330
65 75 1 280	280			440

Various Gripping Pliers

6576N Connector pliers

replaceable plastic jaws, 4 adj. positions, for use on screw connections incl. Canon-connectors, or any light alloy or other tube connections, surfaces of which must not be damaged, Chrome Vanadium.



Code	L mm	Head	Handles	⌀ g
65 76 5 231	230	chrome plated	with dip-coated	288

6976 Loose plastic jaws for No 6576N

Code	⌀ g
69 76 0 001	4



## Side Cutters

### 6600 Side cutters

DIN ISO 5749, Form B, precision cutting edges for all wires incl. piano wire, high quality alloy steel, bevelled cutting edges induction hardened, approx. 63 HRC..



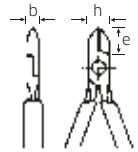
6600 3 160



6600 5 160



6600 6 160



Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	③	④	$\Delta$ g
6600 3 130	125	polished	multi-component handles with softer layers	24	17	8.6	2.8	2.3	1.5	1.25	110
6600 3 145	140			25.7	18.5	8.2	3	2.5	1.8	1.6	147
6600 3 160	160			29.5	22.5	9.5	3	2.8	2	1.6	188
6600 3 180	180			32	23.5	11	3.8	3	2.5	2	242
6600 5 130	125	chrome plated	multi-component handles with softer layers	24	17	8.6	2.8	2.3	1.5	1.25	105
6600 5 145	140			25.7	18.5	8.2	3	2.5	1.8	1.6	160
6600 5 160	160			29.5	22.5	9.5	3	2.8	2	1.6	190
6600 5 180	180			32	23.5	11	3.8	3	2.5	2	255
6600 6 130	125	polished	dip-coated with sure-grip surface	24	17	8.6	2.8	2.3	1.5	1.25	92
6600 6 145	140			25.7	18.5	8.2	3	2.5	1.8	1.6	121
6600 6 160	160			29.5	22.5	9.5	3	2.8	2	1.6	165
6600 6 180	180			32	23.5	11	3.8	3	2.5	2	205

① Cutting capacity in mm for soft wire

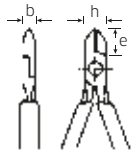
② Cutting capacity in mm for medium hard wire

③ Cutting capacity in mm for hard wire

④ Cutting capacity in mm for piano wire

### 6601 Side cutter

as No 6600, mini bevel, fitted with double leaf spring.



Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	③	④	$\Delta$ g
6601 6 110	110	polished	dip-coated with sure-grip surface	15	15	8.5	2.5	1.5	1.2	0.8	69

① Cutting capacity in mm for soft wire

② Cutting capacity in mm for medium hard wire

③ Cutting capacity in mm for hard wire

④ Cutting capacity in mm for piano wire

### 6602 Heavy duty side cutters

DIN ISO 5749, Form A, precision cutting edges for all wires incl. piano wire, high quality alloy steel, bevelled cutting edges induction hardened, approx. 63 HRC.



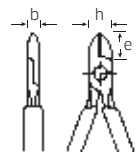
6602 3 200



6602 5 200



6602 6 200



Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	③	④	$\Delta$ g
6602 3 140	140	polished	multi-component handles with softer layers	23.5	20	9	4	3.1	2	1.5	156
6602 3 160	160			25.5	25	9.5	4	3.4	2.5	2	203
6602 3 180	180			27.5	26.5	10.5	4	3.8	2.7	2.2	251
6602 3 200	200			31	28	11.5	4	4	3	2.5	305
6602 3 250	250			32	29.5	12	4	4	3.5	3	407
6602 5 140	140	chrome plated	multi-component handles with softer layers	23.5	20	9	4	3.1	2	1.5	145
6602 5 160	160			25.5	25	9.5	4	3.4	2.5	2	200
6602 5 180	180			27.5	26.5	10.5	4	3.8	2.7	2.2	290
6602 5 200	200			31	28	11.5	4	4	3	2.5	310
6602 5 250	250			32	29.5	12	4	4	3.5	3	409
6602 6 140	140	polished	dip-coated with sure-grip surface	23.5	20	9	4	3.1	2	1.5	140
6602 6 160	160			25.5	25	9.5	4	3.4	2.5	2	170
6602 6 180	180			27.5	26.5	10.5	4	3.8	2.7	2.2	230
6602 6 200	200			31	28	11.5	4	4	3	2.5	260
6602 6 250	250			32	29.5	12	4	4	3.5	3	375

① Cutting capacity in mm for soft wire

② Cutting capacity in mm for medium hard wire

③ Cutting capacity in mm for hard wire

④ Cutting capacity in mm for piano wire

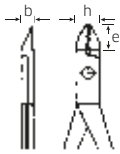



Pliers

Oblique Cutter

6612 Mechanics oblique cutter

suitable for use on miniature mechanical and electronic components, precision cutting edges for hard and soft wire, head angled by 28°, Cu-wire 0.25 mm Ø may be cut at tips, alloy steel of highest quality, induction hardened mini-bevelled cutting edges, approx. 60 HRC.



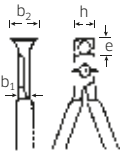
Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	③	 g
66 12 5 185	185	chrome plated	dip-coated with sure-grip surface	14	13.5	9.5	2	1.8	1.5	145


① Cutting capacity in mm for soft wire  
② Cutting capacity in mm for medium hard wire  
③ Cutting capacity in mm for hard wire

Top Cutters

6618 Top cutters, heavy duty

DIN ISO 5748, precision cutting edges for all wires, incl. piano wire, alloy steel of highest quality, induction hardened bevelled cutting edges, approx. 63 HRC.




Code	L mm	Head	Handles	e mm	h mm	b <sub>1</sub> mm	b <sub>2</sub> mm	①	②	③	④	 g
66 18 5 160	160	chrome plated	multi-component handles with softer layers	17	26	11.5	24	3.8	3	2.5	2	240
66 18 6 160	160	polished	dip-coated with sure-grip surface	17	26	11.5	24	3.8	3	2.5	2	211

① Cutting capacity in mm for soft wire  
② Cutting capacity in mm for medium hard wire  
③ Cutting capacity in mm for hard wire  
④ Cutting capacity in mm for piano wire

6617 Lever action top cutters

DIN ISO 5748, for piano wire, special steel.



Code	L mm	Head	Handles	①	②	③	④	 g
66 17 0 180	180	polished	black lacquered	3.5	3	2.5	2.25	394
66 17 0 215	215			4	3.5	2.8	2.5	440
66 17 0 235	235			4	3.5	3	2.75	467

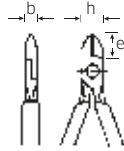
① Cutting capacity in mm for soft wire  
② Cutting capacity in mm for medium hard wire  
③ Cutting capacity in mm for hard wire  
④ Cutting capacity in mm for piano wire



## Plastic side-cutters

### 6670 Plastic side-cutter

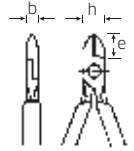
for plastic injection mouldings, with particularly narrow, straight cutting edges, with no bevel to enable flush trimming of sprues and burrs, only for thin sprues made of soft thermoplastic, with spring-loaded opening, induction-hardened cutting edges.



Code	L mm	Head	Handles	e mm	h mm	b mm	Δg
<b>6670 6 120</b>	120	polished	dip-coated with sure-grip surface	13	11	7	56

### 6673 Plastic side-cutter

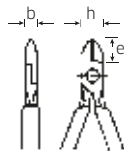
for plastic injection mouldings, with raised cutting edges, 20° angled, with no bevel to enable flush trimming of sprues and burrs, with spring-loaded opening, induction-hardened cutting edges.



Code	L mm	Head	Handles	e mm	h mm	b mm	Δg
<b>6673 6 130</b>	130	polished	dip-coated with sure-grip surface	22	17	8.5	107
<b>6673 6 145</b>	145			23	18	9.5	119
<b>6673 6 160</b>	160			28	18	10.5	165

### 6671 Plastic side-cutter

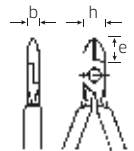
for plastic injection mouldings, with particularly narrow, straight cutting edges, 45° angled, with no bevel to enable flush trimming of sprues and burrs, only for thin sprues made of soft thermoplastic, with spring-loaded opening, induction-hardened cutting edges.



Code	L mm	Head	Handles	e mm	h mm	b mm	Δg
<b>6671 6 120</b>	120	polished	dip-coated with sure-grip surface	12	11	7	56

### 6674 Plastic side-cutter

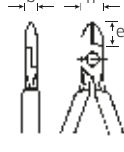
for plastic injection mouldings, with convex cutting edge, with no bevel to enable flush trimming of sprues and burrs, with spring-loaded opening, induction-hardened cutting edges.



Code	L mm	Head	Handles	e mm	h mm	b mm	Δg
<b>6674 6 160</b>	160	polished	dip-coated with sure-grip surface	28	20	11	162

### 6672 Plastic side-cutter

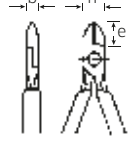
for plastic injection mouldings, with straight cutting edges, 20° angled, with no bevel to enable flush trimming of sprues and burrs, with spring-loaded opening, induction-hardened cutting edges.



Code	L mm	Head	Handles	e mm	h mm	b mm	Δg
<b>6672 6 130</b>	130	polished	dip-coated with sure-grip surface	22	16	9	107
<b>6672 6 145</b>	145			25	17	10	120
<b>6672 6 160</b>	160			28	18	10	161

### 6676 Plastic side-cutter

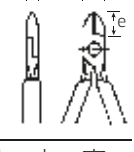
For plastic injection mouldings, with straight cutting edges, 30° angled, with no bevel to enable flush trimming of sprues and burrs, with spring-loaded opening, induction-hardened cutting edges.



Code	L mm	Head	Handles	e mm	h mm	b mm	Δg
<b>6676 6 130</b>	130	polished	dip-coated with sure-grip surface	19	16.5	8.5	105
<b>6676 6 145</b>	145			21	18.5	9.5	125
<b>6676 6 160</b>	160			28	20	11	165

### 6677 Plastic side-cutter

for plastic injection mouldings, with straight cutting edges, 90° angled, with no bevel to enable flush trimming of sprues and burrs, with spring-loaded opening, induction-hardened cutting edges.



Code	L mm	Head	Handles	e mm	h mm	b mm	Δg
<b>6677 6 160</b>	160	polished	dip-coated with sure-grip surface	25	21	10	166

Pliers

Wire Stripping Pliers

6622 Wire stripping pliers

with adjustment screw to cut insulation only on wire or cable, max. 5 mm Ø 10 mm² conductor cross-section.



66 22 5 160



66 22 6 160

Code	L mm	Head	Handles	⚠ g
66 22 5 160	160	chrome plated	multi-component handles with softer layers	195
66 22 6 160	160	polished	dip-coated with sure-grip surface	180

6623 Wire stripping pliers

for wires from 0.5 to 5 mm Ø, self adjusting, cutter hole for cutting wire or stranded wires up to 5 mm Ø, special steel.



Code	L mm	Head	Handles	⚠ g
66 23 5 160	160	chrome plated	multi-component handles with softer layers	180

6923 Replacement stripping knives (1 pair) for No 6623

Code	⚠ g
69 23 0 001	11

6624 Wire stripping pliers

for wires from 0.3 to 1.2 mm Ø, self adjusting, cutter hole for cutting wire or stranded wires up to 5 mm Ø, special alloy steel.



Code	L mm	Head	Handles	⚠ g
66 24 5 160	160	chrome plated	multi-component handles with softer layers	186

Cable Shear

6630 Cable shear

for copper- and light alloy cables. Easy, single handed operation. Special cutting edges geometry to avoid pressure marks and frayed ends, adjustable joint, anti-squeeze protection, not suitable for steel- or armoured cables.



Code	L mm	Head	Handles	⑦	⑧	⑨	⚠ g
66 30 5 220	220	chrome plated	dip-coated with sure-grip surface	16	35	70	332

⑦ cutting capacity in mm² for single wire Al-/Cu-Cable  
⑨ cutting capacity in mm² for thin wire Al-/Cu-Cable

⑧ cutting capacity in mm² for multiple wire Al-/Cu-Cable

## Crimping Pliers

### 6634 Crimping pliers

with half round profile, for reliable crimping of terminal sleeves DIN 46228, 8 deep slots with tapering side walls, crimping within the size marked profiles in one operation.



Code	L mm	Head	Handles	crimping range mm <sup>2</sup>	⌀ g
<b>6634 6 220</b>	220	gunmetal finish	dip-coated with sure-grip surface	0.25; 0.5; 0.75; 1; 1.5; 2.5; 4; 6; 10; 16	240

### 6637 Crimping pliers

for use with terminal sleeves with or without an insulating collar in accordance with DIN 46228

- high precision crimping
- easy-action force transmission coupled with simple handling
- unlockable autolock
- accurately ground profiles
- crimp shape: □



Code	L mm	Head	Handles	crimping range mm <sup>2</sup>	⌀ g
<b>6637 0 195</b>	195	gunmetal finish	with plastic sleeves	0.08 - 10	298

### 6638 Crimping pliers

for red/blue/yellow insulated cable lugs, pin-type cable lugs, flat plugs and sleeves, round plugs and sleeves, butt and parallel connectors

- unlockable autolock
- easy handling
- stripping and cutting device, refer to No 6966
- crimp shape: ○

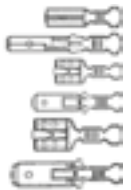


Code	L mm	Head	Handles	crimping range mm <sup>2</sup>	⌀ g
<b>6638 0 220</b>	220	gunmetal finish	with plastic sleeves	red = 0.5-1 (AWG 20-18); blue = 1.5-2.5 (AWG 16-14); yellow = 4-6 (AWG 12-10)	477

### 6639 Crimping pliers

for non-insulated flat plugs and flat sleeves for nominal DIN widths F2.8; F4.8; F6.3; F9.5

- unlockable autolock
- easy handling
- stripping and cutting device, refer to No 6966
- crimp shape: ☺

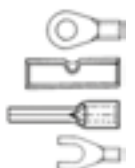


Code	L mm	Head	Handles	crimping range mm <sup>2</sup>	⌀ g
<b>6639 0 220</b>	220	gunmetal finish	with plastic sleeves	0.25-0.5 (AWG 24-20); 0.5-1 (AWG 20-18); 4-6 (AWG 12-10); 1.5-2.5 (AWG 16-14)	483

### 6640 Crimping pliers

for non-insulated cable lugs and tubular cable lugs with closed crimp sleeves

- unlockable autolock
- easy handling
- stripping and cutting device, refer to No 6966
- crimp shape: ☺



Code	L mm	Head	Handles	crimping range mm <sup>2</sup>	⌀ g
<b>6640 0 220</b>	220	gunmetal finish	with plastic sleeves	0.1-0.35 (AWG 26-22); 0.5-1 (AWG 20-18); 1.5-2.5 (AWG 16-14); 4-6 (AWG 12-10); 10-16 (AWG 8-6)	465

## Pliers

### 6641 Crimping pliers

for use with terminal sleeves with or without an insulating collar in accordance with DIN 46228

- unlockable autolock
- easy handling
- stripping and cutting device, refer to No 6966
- crimp shape: □



Code	L mm	Head	Handles	crimping range mm <sup>2</sup>	ΔΔ g
<b>66 41 0 220</b>	220	gunmetal finish	with plastic sleeves	0.14-0.5; 0.75-1.5; 2.5; 4; 6; 10	536

### 6966 Stripping and cutting tool

for stripping wires from 0.5 to 6 mm Ø.

Cables can also be cut.

For use with crimping pliers No 6638, 6639, 6640 and 6641.



Code	ΔΔ g
<b>69 66 0 000</b>	37

## Various Cutting Pliers

### 6660 Steel fixers pincers

DIN ISO 9242, limit on opening angle to ensure single-handed closure (registered design), little effort required due to optimised cutter geometry, induction-hardened cutters provide excellent resistance to wear, special steel, drop-forged, oil hardened



Code	L mm	Head	Handles	ΔΔ g
<b>66 60 1 220</b>	224	polished	black lacquered	318
<b>66 60 1 250</b>	250			390
<b>66 60 1 280</b>	280			434

### 6661 Pincers

DIN ISO 9243, special steel, drop-forged, oil hardened.



Code	L mm	Head	Handles	ΔΔ g
<b>66 61 1 180</b>	180	polished	black lacquered	322
<b>66 61 1 200</b>	200			350

### 6662 Heavy Duty steel fixer pincers

DIN ISO 9243, induction-hardened cutting edges, high wear resistance, extremely low cutting force effort due to very large lever effect and optimum cutting edges geometry. Clearly damped cutting shock due to "elastic" pliers body, therefore ideal for continuous use special steel.

Ultra-slim design, ideal for binding recessed reinforcing bars. Special steel, drop-forged, oil hardened.



Code	L mm	Head	Handles	ΔΔ g
<b>66 62 4 300</b>	300	chrome plated, polished	chrome plated	478

## 6702 Set with 4 pliers, chrome plated

Handles chequered, in plastic inlay

Content:

- 6543** Circlip pliers, J2
- 6544** Circlip pliers, J21
- 6545** Circlip pliers, A2
- 6546** Circlip pliers, A21



Code	Δ g
<b>96 65 0004</b>	590

## 6706 Set with 3 pliers, polished

dip-coated, in plastic inlay

Content:

- 6501** Combination pliers, 180 mm
- 6602** Heavy duty side cutter, 160 mm
- 6529** Snipe nose pliers, 200 mm



Code	Δ g
<b>96 65 0008</b>	750

## 6703 Set with 3 pliers, chrome plated

multi-component handles with softer layers, in plastic inlay

Content:

- 6501** Combination pliers, 180 mm
- 6602** Heavy duty side cutter, 160 mm
- 6529** Snipe nose pliers, 200 mm



Code	Δ g
<b>96 65 0005</b>	810

## 6705 Set with 3 pliers, polished

dip-coated, in plastic inlay

Content:

- 6551** Waterpump pliers, 240 mm, lacquered
- 6501** Combination pliers, 180 mm
- 6602** Heavy duty side cutter, 160 mm



Code	Δ g
<b>96 65 0007</b>	880

## 6704 Set with 3 pliers, chrome plated

multi-component handles with softer layers (No 6501, 6602), in plastic inlay

Content:

- 6551** Waterpump pliers, 240 mm
- 6501** Combination pliers, 180 mm
- 6602** Heavy duty side cutter, 160 mm



Code	Δ g
<b>96 65 0006</b>	950

Sets of pliers in plastic inlays also suitable for  
**Workbench No WB620,**  
**Tool trolleys No 90, 95, 95VA, 98VA,**  
**Magazine case No 920 and**  
**Wheely box No 922N**  
**(Modular system see page 42-71)**

## ES 6501-6602/7A



530 x 350 x 40 mm, 7 pieces

Code	Δ g
<b>96 83 81 21</b>	2085



**No 65 01 5 180**



**No 65 29 5 200**



**No 65 43 4 002**



**No 65 45 4 002**



**No 65 51 6 240**



**No 65 64 2 250**



**No 66 02 5 160**

<b>83 81 20 21</b>	Empty tray	307
--------------------	------------	-----

## ES 6501-6602/7B



530 x 350 x 40 mm, 7 pieces

Code	Δ g
<b>96 83 81 32</b>	2055



**No 65 01 5 200**



**No 65 29 5 160**



**No 65 43 4 002**



**No 65 45 4 002**



**No 65 51 6 240**



**No 65 64 2 250**



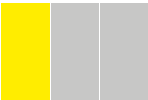
**No 66 02 5 160**

<b>83 81 20 21</b>	Empty tray	307
--------------------	------------	-----



Pliers

TCS 6501-6602/3



TCS



175 x 350 x 40 mm, 3 pieces

Code	ΔΔ g
96838775	1125



No 65 01 5 200

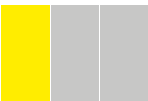


No 65 51 6 300



No 66 02 5 180

TCS 6501-6602/4



TCS



175 x 350 x 35 mm, 4 pieces

Code	ΔΔ g
96838179	1000



No 65 01 5 180



No 65 29 5 200



No 65 51 6 240



No 66 02 5 160

TCS 6501-6602/4N



TCS



175 x 350 x 35 mm, 4 pieces

Code	ΔΔ g
96830622	1080



No 65 01 5 180



No 65 29 5 200



No 65 72 6 240



No 66 02 5 160

TCS 6543-6564/3



TCS



175 x 350 x 30 mm, 3 pieces

Code	ΔΔ g
96838180	815



No 65 43 4 002

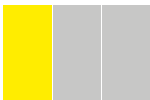


No 65 45 4 002



No 65 64 2 250

TCS 6543-6546/4



TCS



175 x 350 x 30 mm, 4 pieces

Code	ΔΔ g
96830608	626



No 65 43 4 002



No 65 44 4 021



No 65 45 4 002



No 65 46 4 021

TCS 6534-6545/6



TCS



350 x 350 x 30 mm, 6 pieces

Code	ΔΔ g
96832100	1070



No 65 34 5 280



No 65 35 5 200



No 65 43 4 001

No 65 43 4 002



No 65 45 4 001

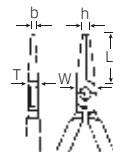
No 65 45 4 002



## Electronics Pliers, suitable for electrostatic discharge (ESD) applications

### 6517 Electronics flat nose pliers

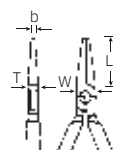
DIN ISO 9655, designed for use on miniature electronic and mechanical components, welded on double leaf spring, precision jaws, smooth, tapering, box joint for precise movement.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	Δg
<b>65 17 6 120</b>	125	polished	dip-coated with sure-grip surface, ESD applications	20	9	6.5	1.5	3	47

### 6526 Electronics round nose pliers

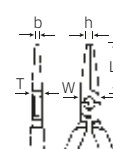
DIN ISO 9655, designed for use on miniature electronic and mechanical components, welded on double leaf spring, round precision jaws, smooth, thin, box joint for precise movement.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	b mm	Δg
<b>65 26 6 120</b>	125	polished	dip-coated with sure-grip surface, ESD applications	22	9	6.5	1.25	45

### 6540 Electronics snipe nose pliers

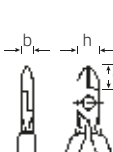
DIN ISO 9655, designed for use on miniature electronic and mechanical components, welded on double leaf spring, half round, smooth precision jaws, tapering, box joint for precise movement.



Code	L mm	Head	Handles	L <sub>3</sub> mm	W mm	T mm	h mm	b mm	Δg
<b>65 40 6 120</b>	125	polished	dip-coated with sure-grip surface, ESD applications	21	9	6.5	1	1	50

### 6603 Electronics side cutter

strong, slim pattern, suitable for use on miniature electronic components, precision cutting edges, mini bevel, suitable for soft and hard wire, incl. piano wire, Cu-wire of 0.2 mm Ø can be cut at the tips, welded on double leaf spring, alloy steel of highest quality, induction hardened cutting edges approx. 63 HRC.



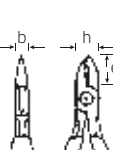
Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	③	④	Δg
<b>66 03 6 115</b>	115	polished	dip-coated with sure-grip surface, ESD applications	14	11	6.5	1.5	1	0.8	0.5	60

① Cutting capacity in mm for soft wire  
③ Cutting capacity in mm for hard wire

② Cutting capacity in mm for medium hard wire  
④ Cutting capacity in mm for piano wire

### 6605 Electronics side cutter

DIN ISO 9654, with wire catch to prevent uncontrolled disposal of off-cuts, box joint for precise movement, precision cutting edges, mini bevel, suitable for soft and hard wire, welded on double leaf spring, alloy steel of highest quality, induction hardened cutting edges, approx. 63 HRC.



Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	③	④	Δg
<b>66 05 6 110</b>	112	polished	dip-coated with sure-grip surface, ESD applications	13	10.5	7	1.5	1	0.8	0.6	64

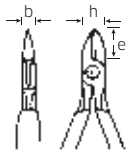
① Cutting capacity in mm for soft wire  
③ Cutting capacity in mm for hard wire

② Cutting capacity in mm for medium hard wire  
④ Cutting capacity in mm for piano wire

Pliers

6606 Electronics side cutters

DIN ISO 9654, strong model, box joint for precise movement, precision cutting edges, mini bevel, suitable for piano wire, Cu-wire 0.25 mm  $\varnothing$  can be cut at tips, welded on double leaf spring, alloy steel of highest quality, induction hardened cutting edges, approx. 63 HRC.



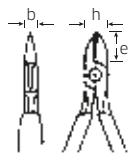
Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	③	④	$\frac{\Delta}{g}$
6606 6110	112	polished	dip-coated with sure-grip surface, ESD applications	13	12	7.5	1.5	1	0.8	0.6	64
6606 6130	125			18	16	10	1.7	1.2	1	0.8	104

① Cutting capacity in mm for soft wire  
③ Cutting capacity in mm for hard wire

② Cutting capacity in mm for medium hard wire  
④ Cutting capacity in mm for piano wire

6607 Electronics side cutters

DIN ISO 9654, slim tapered head for use in confined spaces, box joint for precise movement, precision cutting edges, no bevel suitable for flush cutting of soft and medium hard wire, Cu- and diode wires, welded on double leaf spring, alloy steel of highest quality, induction hardened cutting edges, approx. 63 HRC.



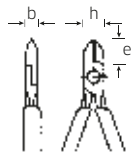
Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	$\frac{\Delta}{g}$
6607 6110	112	polished	dip-coated with sure-grip surface, ESD applications	13	12	7.5	1.5	1	64
6607 6130	125			18	16	10	1.5	1	104

① Cutting capacity in mm for soft wire

② Cutting capacity in mm for medium hard wire

6604 Mini-electronics side cutter

DIN ISO 9654, light, slim pattern, especially suitable for use on miniature electronic components, precision cutting edges, mini bevel, suitable for soft and hard wire, Cu-wire of 0.2 mm  $\varnothing$  can be cut at the tips, welded on double leaf spring, alloy steel of highest quality, induction hardened cutting edges, approx. 63 HRC.



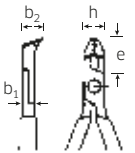
Code	L mm	Head	Handles	e mm	h mm	b mm	①	②	③	④	$\frac{\Delta}{g}$
6604 6110	112	polished	dip-coated with sure-grip surface, ESD applications	11	9	6	1	0.8	0.6	0.4	49

① Cutting capacity in mm for soft wire  
③ Cutting capacity in mm for hard wire

② Cutting capacity in mm for medium hard wire  
④ Cutting capacity in mm for piano wire

6613 Electronics oblique cutter

DIN ISO 9654, tapered head for use in confined spaces, precision cutting edges for hard and soft wire, head angled by 55°, Cu-wire 0.25 mm  $\varnothing$  may be cut at the tips, welded on double leaf spring, alloy steel of highest quality, induction hardened mini-bevelled cutting edges, approx. 62 HRC.



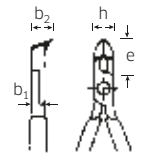
Code	L mm	Head	Handles	e mm	h mm	b <sub>1</sub> mm	b <sub>2</sub> mm	①	②	③	④	$\frac{\Delta}{g}$
6613 6115	112	polished	dip-coated with sure-grip surface, ESD applications	11	11	7.5	10.5	1	0.8	0.6	0.4	82

① Cutting capacity in mm for soft wire  
③ Cutting capacity in mm for hard wire

② Cutting capacity in mm for medium hard wire  
④ Cutting capacity in mm for piano wire

## 6614 Electronics oblique cutter

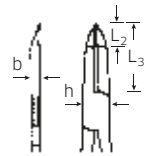
DIN ISO 9654, as No 6613, but without bevelled cutting edges, for flush cutting of soft and medium hard Cu- and diode wires.



Code	L mm	Head	Handles	e mm	h mm	b <sub>1</sub> mm	b <sub>2</sub> mm	①	②	$\Delta \nabla$ g
<b>6614 6115</b>	112	polished	dip-coated with sure-grip surface, ESD applications	11	11	7.5	10.5	1	0.6	55
① Cutting capacity in mm for soft wire				② Cutting capacity in mm for medium hard wire						

## 6615 Electronics oblique cutter

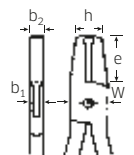
DIN ISO 9654, slim, extended head for delicate cuts in confined spaces, box joint for precise movement, precision cutting edges with mini bevel for Cu- and diode wires, head angled by 30°, welded on double leaf spring, alloy steel of highest quality.



Code	L mm	Head	Handles	L <sub>2</sub> mm	L <sub>3</sub> mm	h mm	b mm	①	②	$\Delta \nabla$ g
<b>6615 6115</b>	112	polished	dip-coated with sure-grip surface, ESD applications	8	18	8	6	0.6	0.3	47
① Cutting capacity in mm for soft wire				② Cutting capacity in mm for medium hard wire						

## 6619 Electronics top cutter

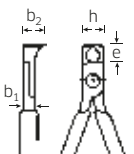
DIN ISO 9654, slim long head for use in confined space, box joint for precise movement, precision cutting edges for Cu- and diode wires, mini-bevel, welded on double leaf spring, alloy steel of highest quality.



Code	L mm	Head	Handles	e mm	W mm	h mm	b <sub>1</sub> mm	b <sub>2</sub> mm	①	②	$\Delta \nabla$ g
<b>6619 6115</b>	112	polished	dip-coated with sure-grip surface, ESD applications	15.5	8.5	5.5	6	5	0.6	0.3	65
① Cutting capacity in mm for soft wire				② Cutting capacity in mm for medium hard wire							

## 6620 Electronics top cutter

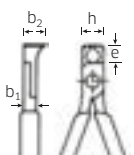
DIN ISO 9654, precision cutting edges for soft and hard wires, mini-bevel, head angled 90°, pointed head, Cu-wire 0.25 mm Ø may be cut at the tips, welded on double leaf spring, alloy steel of highest quality, induction hardened cutting edges, approx. 60 HRC.



Code	L mm	Head	Handles	e mm	h mm	b <sub>1</sub> mm	b <sub>2</sub> mm	①	②	③	④	$\Delta \nabla$ g
<b>6620 6115</b>	112	polished	dip-coated with sure-grip surface, ESD applications	6.5	11	7.5	11	1	0.8	0.6	0.4	83
① Cutting capacity in mm for soft wire				② Cutting capacity in mm for medium hard wire				③ Cutting capacity in mm for hard wire				④ Cutting capacity in mm for piano wire

## 6621 Electronics top cutter

DIN ISO 9654, as No 6620, but without bevelled cutting edge, for flush cutting of soft and medium hard Cu- and diode wires, alloy steel of highest quality, induction hardened cutting edges, approx. 60 HRC.



Code	L mm	Head	Handles	e mm	h mm	b <sub>1</sub> mm	b <sub>2</sub> mm	①	②	$\Delta \nabla$ g
<b>6621 6115</b>	112	polished	dip-coated with sure-grip surface, ESD applications	6.5	11	7.5	11	1	0.6	84
① Cutting capacity in mm for soft wire				② Cutting capacity in mm for medium hard wire						