01 Combination Pliers, Chrome Vanadium

DIN ISO 5746

1000 V
IEC 60900
DIN EN 60900

01 06 190

- for heaviest duty
- with gripping zones for flat and round material, suitable for versatile use
- with cutting edges for soft, hard and piano wire
- long cutting edges for thicker cables
- cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC
- particularly wear resistant gripping jaws; hardness of the gripping jaws approx. 53 HRC
- Chrome Vanadium electric steel, oil-hardened and tempered

Article-No. Length mm	EAN- Code 4003773-	Head	Handles	Cutting capacities ø mm	ø mm	ø mm	mm²	⚖ g
01 06 160	040729	chrome plated	insulated with two-colour dual component handles	2.0	1.5	10.0	16.0	210
190	040415	chrome plated	1000 V VDE-tested	2.5	2.0	13.0	25.0	300

02 High Leverage Combination Pliers

DIN ISO 5746

1000 V
IEC 60900
DIN EN 60900

02 06 200

02 07 225

- for heaviest duty
- 35% saving in power due to new, improved lever action
- with gripping zones for flat and round material, suitable for versatile use
- with cutting edges for soft, hard and piano wire
- long cutting edges for thicker cables
- cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC
- high grade special tool steel, oil-hardened and tempered

Article-No. Length mm	EAN- Code 4003773-	Head	Handles	Cutting Capacities ø mm	ø mm	ø mm	mm²	⚖ g
02 06 180	010012	chrome plated	insulated with two-colour dual component handles	2.5	2.0	11.5	16.0	240
200	010029			2.8	2.2	13.0	25.0	335
225	010036		1000 V VDE-tested	3.0	2.5	14.0	25.0	405
02 07 200	022299	chrome plated	plastic dipped insulated	2.8	2.2	13.0	25.0	385
225	022305		1000 V VDE-tested	3.0	2.5	14.0	25.0	490

Special KNIPEX

KNIPEX High Leverage Combination Pliers with optimum position of the joint facilitate cutting as well as powerful gripping, bending and pulling.

Requires 35 % less effort

Cutting a hard wire of 2.0 mm dia. with a High Leverage Combination Plier of 180 mm length requires handforce of only 318 N (31.8 kp) instead of 486 N (48.6 kp) with a common Combination Plier of same length.

03 Combination Pliers

DIN ISO 5746

1000 V
IEC 60900
DIN EN 60900

- with gripping zones for flat and round material, suitable for versatile use
- with cutting edges for soft and hard wire
- long cutting edges for thicker cables
- cutting edges additionally induction hardened, cutting edge hardness approx. ca. 60 HRC
- special tool steel, oil-hardened and tempered

03 06 180

03 07 200

Article-No.	Length mm	EAN-Code 4003773-	Head	Handles	Cutting Capacities ø mm	ø mm	ø mm	mm²	⚖ g
03 06	**160**	021902	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	3.1	2.0	10.0	16.0	220
	180	021926			3.4	2.2	12.0	16.0	265
	200	033776			3.8	2.5	13.0	16.0	335
03 07	**160**	015307	chrome plated	plastic dipped insulated 1000 V VDE-tested	3.1	2.0	10.0	16.0	265
	180	015314			3.4	2.2	12.0	16.0	305
	200	015321			3.8	2.5	13.0	16.0	380
	250	015345			3.8	2.5	15.0	25.0	610

11 Wire Strippers

1000 V
IEC 60900
DIN EN 60900

- for single, multiple and fine stranded conductors with plastic or rubber insulation max. 5.0 mm dia. or resp. 10.0 mm² cable cross section
- easy adjustment to the required diameter of the solid or stranded wire with knurled screw and lock nut
- special tool steel, oil-hardened and tempered

11 06 160

11 07 160

Style 0:
- with opening spring

Style 1:
- without opening spring

Article-No.	Length mm	EAN-Code 4003773-	Style	Head	Handles	Stripping capacities ø mm	mm²	AWG	⚖ g
11 06 160		021933	0	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	5.0	10.0	7.0	165
11 07 160		015499		chrome plated	plastic dipped insulated 1000 V VDE-tested	5.0	10.0	7.0	195
11 17 160		015505	1	chrome plated	plastic dipped insulated 1000 V VDE-tested	5.0	10.0	7.0	195

14 Diagonal Insulation Stripper

14 26 160

1000 V
IEC 60900
DIN EN 60900

- induction hardened precision blades for soft wire up to 4.0 mm dia., cutting edge hardness approx. 60 HRC
- Vanadium electric steel, oil-hardened and tempered

- the essential plier for electrical installation work
- precision stripping holes for single (solid) conductors of 1.5 and 2.5 mm²

Multi-functional: cutting and stripping

Article-No.	EAN-	Head	Handles	Cutting capacities		⚖
Length mm	Code 4003773-			mm²	AWG	g
14 26 160	040279	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	1.5 + 2.5	15 + 13	210

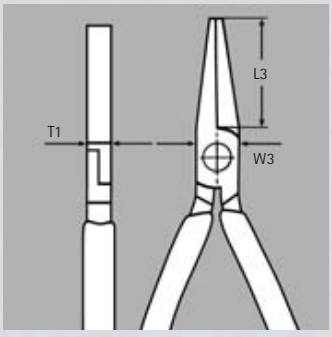
20 Flat Nose Pliers

DIN ISO 5745

20 06 160

1000 V
IEC 60900
DIN EN 60900

- short, flat jaws
- serrated gripping surfaces
- special tool steel, oil-hardened and tempered



Article-No.	EAN-	Head	Handles	Dimensions			⚖
Length mm	Code 4003773-			L3 mm	W3 mm	T1 mm	g
20 06 160	033783	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	30.0	17.0	9.5	175

22 Round Nose Pliers

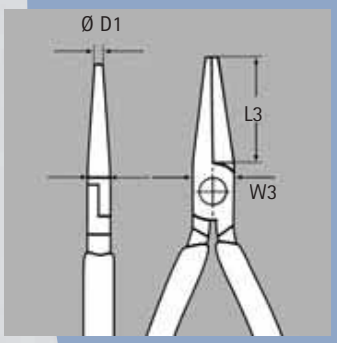
DIN ISO 5745

1000 V
IEC 60900
DIN EN 60900

- for forming wire loops
- precision ground, short, round jaws
- smooth tips
- special tool steel, oil-hardened and tempered

22 06 160

22 07 160



Article-No. Length mm	EAN- Code 4003773-	Head	Handles	Dimensions L3 mm	W3 mm	D1 Ø mm	⚖ g
22 06 160	033790	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	30.0	18.0	3.0	170
22 07 160	015901	chrome plated	plastic dipped insulation 1000 V VDE-tested	30.0	18.0	3.0	205

25 Chain Nose Side Cutting Pliers, Radio Pliers

DIN ISO 5745

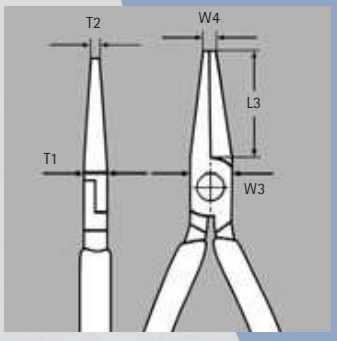
1000 V
IEC 60900
DIN EN 60900

- cutting edges additionally induction hardened, cutting edge hardness approx. 61 HRC
- high grade special tool steel, oil-hardened and tempered

- suitable for gripping and cutting work in precision mechanics
- pointed, half-round jaws
- serrated gripping surfaces
- with cutting edges for medium hard wire and hard wire

25 06 160

25 26 160



Article-No. Length mm	EAN- Code 4003773-	Style	Head	Handles	Cutting capacities ◑ mm	◕ mm	Dimensions L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	⚖ g
25 06 160	033806	0	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	2.5	1.6	50.0	16.5	9.5	3.0	2.5	150
25 26 160	052111	2 ∠ 40°	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	2.5	1.6	50.0	16.5	9.5	3.0	2.5	150

26 Chain Nose Side Cutting Pliers, Stork Beak Pliers

DIN ISO 5745

1000 V
IEC 60900
DIN EN 60900

26 16 200

Style 1: straight jaws

26 27 200

Style 2: 40° bent jaws

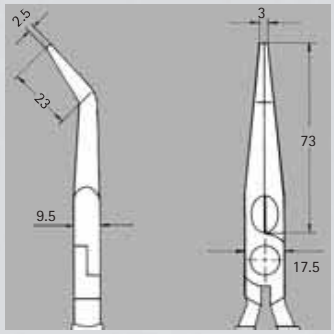
- high loadable, elastic precision points
- half-round, long jaws
- serrated gripping surfaces
- with cutting edges for medium hard wire max. dia. 3.2 mm and hard wire max. dia. 2.2 mm
- cutting edges additionally induction hardened, cutting edge hardness approx. 61 HRC
- Vanadium steel, oil-hardened and tempered

Special

KNIPEX

KNIPEX Snipe Nose Side Cutting Pliers (Stork Beak Pliers) are forged from Vanadium steel and are carefully hardened. The slim precision tips withstand high demands, particularly bending loads.

Article-No. Length mm	EAN-Code 4003773-	Style	Head	Handles	g
26 16 200	022831	1	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	205
26 17 200	016069		chrome plated	plastic dipped insulated 1000 V VDE-tested	225
26 26 200	022855	2	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	205
26 27 200	016090	40°	chrome plated	plastic dipped insulated 1000 V VDE-tested	225



30 Long Nose Pliers without side cutter

DIN ISO 5745

1000 V
IEC 60900
DIN EN 60900

30 16 160

Style 1: long, trapezoidal jaws

30 36 160

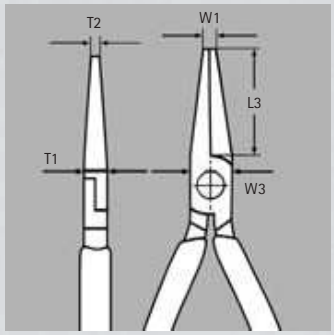
Style 3: long, round jaws

- heavy duty and wear resisting
- different jaw styles
- Chrome Vanadium electric steel, oil-hardened and tempered

Style 1:
- long, trapezoidal jaws
- serrated gripping surfaces

Style 3:
- long, round jaws
- smooth gripping surfaces

Article-No. Length mm	EAN-Code 4003773-	Style	Head	Handles	Dimensions L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	g
30 16 160	001904	1	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	46.5	16.5	9.5	3.0	5.0	155
30 36 160	002123	3	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	41.0	16.5	9.5	5.0	2.5	145



70 Diagonal Cutters

DIN ISO 5749

1000 V
IEC 60900
DIN EN 60900

70 06 160

70 07 160

- the indispensable diagonal cutter for all-round use
- high quality material and precise workmanship for long service life
- precision cutting edges for soft and hard wire
- clean cutting at cutting edge tips, also in case of thin copper wires
- cutting edges additionally induction hardened, cutting edge hardness approx. 62 HRC

Article-No.	Length mm	EAN-Code 4003773-	Style	Head	Handles	Cutting capacities ø mm	ø mm	ø mm	g
70 06	**125**	018124	0	chrome	insulated with two-colour	3.0	2.3	1.5	120
	140	040293		plated	dual component handles	4.0	2.5	1.8	160
	160	021995			1000 V	4.0	2.8	2.0	210
	180	033813			VDE-tested	4.0	3.0	2.5	255
70 07	**160**	018155		chrome	plastic-dipped	4.0	2.8	2.0	240
	180	018179		plated	1000 V VDE-tested	4.0	3.0	2.5	285
70 26	**160**	018223	2	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	4.0	-	-	210

special KNIPEX

The cutting edges of KNIPEX Diagonal Cutters – made of Vanadium steel – have a long service life, are machined highly precise and are very sharp – for a clean cut of soft and hard wires.

- narrow head style for use in confined areas
- Vanadium electric steel, oil-hardened and tempered

Style 0:
- with bevel

Style 2:
- with small bevel

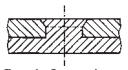
Slim head style and precise cut at blade tips: Advantageous when working in confined areas

74 High Leverage Diagonal Cutters

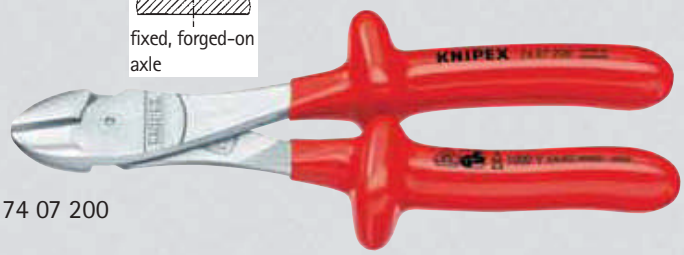
DIN ISO 5749

1000 V
IEC 60900
DIN EN 60900

74 06 200



fixed, forged-on axle



74 07 200

- with forged-on axle for heaviest duty
- suitable for all types of wire including piano wire
- high cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle, transmission ratio and ergonomic handle shape
- precision cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- the 250-mm-long diagonal cutter is suitable for copper conductors up to 16 mm² and aluminium conductors up to 35 mm²
- Chrome Vanadium electric steel, oil-hardened and tempered

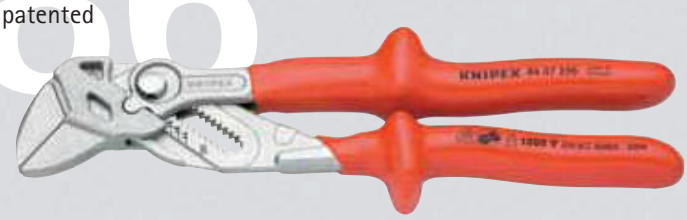
Article-No.	Length mm	EAN-Code 4003773-	Head	Handles	Cutting capacities ø mm	ø mm	ø mm	g
74 06	**160**	040705	chrome	insulated with two-colour	3.4	2.5	2.0	215
	180	022985	plated	dual component handles	3.8	2.7	2.2	260
	200	033820		1000 V	4.2	3.0	2.5	305
	250	041955		VDE-tested	4.6	3.5	3.0	440
74 07	**200**	018414	chrome	plastic dipped insulated	4.2	3.0	2.5	340
	250	018421	plated	1000 V VDE-tested	4.6	3.5	3.0	475

special KNIPEX

The choice of material (Chrome Vanadium), lever ration and cutting edge angle mean that KNIPEX - High Leverage Diagonal Cutters are particularly designed for the cutting of hard wires. Fixed, forged-on articulated axle for work under continuous stress.

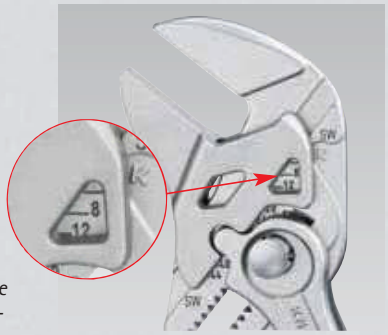
86 Pliers Wrench, Pliers and Wrench in a single tool

patented



86 07 250

- excellent for gripping, holding, pressing and bending workpieces
- for careful installation of finished-surface components
- zero backlash jaw surface pressure prevents damage to edges of sensitive components
- fast adjustment by pushing a button directly on the workpiece
- no unintentional shift of the gripping jaws and no slipping of the joint
- replaces a complete set of spanners
- parallel jaws allow infinitely variable gripping of all widths to the specified maximum size



86 07 250: *Scale for presetting the opening width apart from the work-piece*

Special KNIPEX

The patented Pliers Wrench is a multi functional fastening, gripping and holding tool with fast adjustment pushing a button. The high lever ratio, parallel jaws without profile and infinitely variable adjustment guarantee a secure and smooth gripping of the workpiece free from any backlash.

- the action of the jaws allows screwed connections to be tightened and released quickly using the ratchet principle
- lever transmission greater than 10 - 1 for strong gripping power
- also for tile breaking

Article-No.	EAN-	Head	Handles	Working Capacities		Dimensions			⚖
Length mm	Code 4003773-			Zoll	mm	B1 mm	B2 mm	B3 mm	g
86 07 250	065067	nickel plated	plastic dipped insulated 1000 V, VDE-tested	1 3/4	46	8.0	8.0	14.0	600

88 KNIPEX-"Alligator", Water Pump Pliers

DIN ISO 8976

1000 V
IEC 60900
DIN EN 60900

88 06 250

88 07 250

- box-joint design: high stability because of double guide
- self-locking on pipes and nuts: no slipping on the workpiece; low handforce required
- guard prevents operators' fingers being pinched
- favourable lever action: optimum transmission of force
- gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: low wear and secure gripping
- Chrome Vanadium electric steel, oil-hardened and tempered

Article-No.	EAN-	Head	Handles	Capacities for pipes	for nuts	⚖
Length mm	Code 4003773-			Inch	mm (across flats)	g
88 06 250	039303	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	1 1/2	36	370
88 07 250	019343	chrome plated	plastic dipped insulated 1000 V VDE-tested	1 1/2	36	415
300	022350			2	46	635

92 Precision Tweezers

92 27 61

1000 V
IEC 60900
DIN EN 60900

- tested according IEC 60900: 2004
- plastic dipped insulated
- nickel plated

92 27 62

92 37 64

92 67 63

Model 92 27 61:
- for ultra fine mounting work
- extra fine tips
- straight pattern
- gripping surfaces mattfinished for optimum grip

Model 92 27 62:
- straight pattern
- gripping surfaces with fine transverse serration

Model 92 37 64:
- bent tips
- gripping surfaces with fine transverse serration

Model 92 67 63:
- straight pattern
- serrated gripping surfaces

Article-No.	EAN-Code 4003773-	Finish	Length mm	g
92 27 61	054757	plastic dipped insulated IEC 60900: 2004 1000 V	130	30
92 27 62	054764		150	35
92 37 64	054856		150	35
92 67 63	054931		145	40

95 Cable Shears

95 06 230

1000 V
IEC 60900
DIN EN 60900

- for cutting copper conductors single wire up to 16 mm², multiple wire up to 50 mm², fine strand up to 70 mm² and aluminium conductors multiple wire up to 70 mm²

- **not suitable for steel wire and hard drawn copper conductors**
- precision ground, hardened blades
- easy cutting with one-hand operation due to high transmission ratio
- no crushing, slight deformation of the cable only
- with guard
- adjustable screw joint
- stainless – special grade – steel, oil-hardened and tempered

Article-No.	Length mm	EAN-Code 4003773-	Head	Handles	Cutting capacity ø mm	mm²	AWG	g
95 06 230		006305	bright polished	plastic insulated 1000 V VDE-tested	16	50	1/0	275

95 Cable Shears

95 16 165

1000 V
IEC 60900
DIN EN 60900

- for cutting copper and aluminium cables, single and multiple wire
- **not suitable for steel wire and hard drawn copper conductors**
- precision ground, hardened blades
- clean and smooth cut without crushing and deformation
- easy cutting with one-hand operation
- with guard
- adjustable screw joint, self-locking
- forged
- special tool steel, oil-hardened and tempered

Article-No.	EAN-	Head	Handles	Cutting capacity			
Length mm	Code 4003773-			ø mm	mm²	AWG	g
95 16 165	039648	chrome plated	insulated with two-colour dual component handles 1000 V VDE-tested	15	50	1/0	255

Cut performed with a Diagonal Cutter: high effort required, inaccurate cut, considerable deforming and crushing of the cable

Cut performed with a Cable Shear: easy, clean cut without any deformation of the cable

95 Cable Shears with twin cutting edge

patented

95 16 200

95 17 200

1000 V
IEC 60900
DIN EN 60900

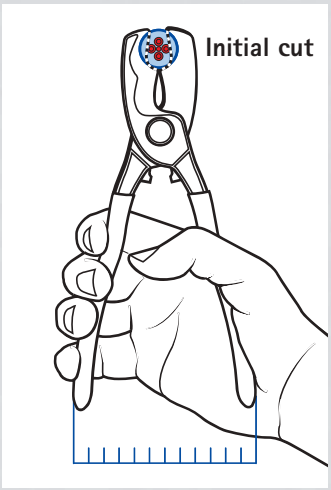
- for cutting copper and aluminium cables, single and multiple wire
- **not suitable for steel wire and hard drawn copper conductors**
- precision ground, hardened blades
- clean and smooth cut without crushing and deformation
- easy cutting with one-hand operation
- initial and final cut (upper and lower blade) allows cables of up to 20 mm dia. to be cut
- low handforce required due to favourable lever ratio and new blade geometry
- with guard

special KNIPEX

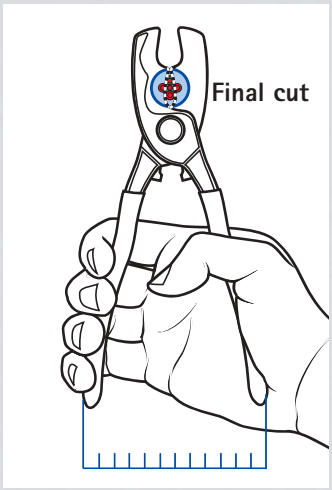
KNIPEX Cable Shears with twin cutting edge are designed for cutting cables up to 20 mm dia. Even in case of large cable cross sections handles are always in a favourable position due to initial and final cut.

- adjustable screw joint, self-locking
- forged
- special tool steel, oil-hardened and tempered

Article-No. Length mm	EAN- Code 4003773-	Head	Handles	Cutting capacity ø mm	mm²	AWG	⚖ g
95 16 200	026761	chrome plated	insulated with two-colour dual component handles 1000 V VDE- tested	20	70	2/0	345
95 17 200	026952	chrome plated	plastic dipped insulated 1000 V VDE- tested	20	70	2/0	380



Initial cut: *using the upper cutting edge, an ergonomic handle opening is guaranteed even in case of large cable diameters*



Final cut: *if higher handforce is required, an additional cut can be done with the cutting edge profile near the joint. Initial cut with the upper cutting edge – final cut with the lower cutting edge*

95 Cable Shears

95 17 500

1000 V
IEC 60900
DIN EN 60900

- for cutting copper and aluminium cables, single and multiple wire
- **not suitable for steel wire and wire ropes**
- precision ground, hardened blades
- clean and smooth cut without crushing and deformation
- low handforce required due to favourable lever ratio and new blade geometry
- short design, length only 500 mm
- low weight
- with guard
- adjustable screw joint
- cutter head forged from Vanadium steel, oil-hardened and tempered
- handles made of high resistant aluminium pipes

KNIPEX special

The Cable Shears in compact and low weight construction (up to 1,000 g less in weight than comparable cable shears) for cable diameters up to 27 mm. Easy and clean cut due to high lever transmission and optimum blade geometry.

Requires 32 % less effort

Cutting a multiple wire cable 5 x 50 mmÇ with these high transmission KNIPEX Cable Shears (length 500 mm) requires handforce of only 560 N (56.0 kp) instead of 830 N (83.0 kp) with Cable Shears 95 21 600 (length 600 mm).

Article-No.	EAN-	Head	Handles	Cutting capacity			⚖
Length	Code						
mm	4003773-			ø mm	mm²	AWG	g
95 17 500	026785	polished	plastic dipped insulated	27	150	5/0	1360

95 Cable Shears

95 27 600

1000 V
IEC 60900
DIN EN 60900

- for cutting copper and aluminium cables, single and multiple wire
- **not suitable for steel wire and wire ropes**
- precision ground, hardened blades
- clean and smooth cut without crushing and deformation
- favourable transmission ratio due to double lever
- with guard
- adjustable screw joint
- replaceable, forged cutter head
- cutter head made of special tool steel, oil-hardened and tempered

Article-No.	EAN-	Head	Handles	Cutting capacity			⚖
Length	Code						
mm	4003773-			ø mm	mm²	AWG	g
95 17 500	026785	polished	plastic dipped insulated	27	150	5/0	1360
95 27 600	021797	polished	1000 V VDE-tested	27	150	5/0	2300
95 29 600	021803	spare cutter for 95 27 600					365

95 Cable Cutters, Ratchet Action

patented

95 36 280

1000 V
IEC 60900
DIN EN 60900

- for cutting copper and aluminium cables, single and multiple wire
- **not suitable for steel wire and wire ropes**
- precision ground, hardened blades
- clean and smooth cut without crushing and deformation
- one-hand operation using ratchet principle

- little handforce required due to optimum transmission ratio
- two-stage ratchet drive for easy cutting
- simple handling as a result of low weight and compact design - can be used even in confined areas
- with guard
- special grade tool steel

Model 95 36 280:
- suitable for aluminium sector cable up to 4 x 150 mm²

Article-No.	Length mm	EAN-Code 4003773-	Head	Handles	Cutting capacities ø mm	mm²	MCM	⚖ g
95 36 250		026884	lacquered	insulated with two-colour dual component handles 1000 V VDE-tested	32	240	500	560
95 36 280		026891			52	380	750	735
95 39 250		022244	spare moving blade					130
95 39 280		025283	spare moving blade					260

Ratchet principle and two-stage ratchet drive for easier cutting.

95 Wire Rope and Cable Cutter

95 77 600

1000 V
IEC 60900
DIN EN 60900

- for wire ropes and steel rods, copper and aluminium cables
- suitable for cutting overhead cables with strain relief wire
- angular cutting blades allow cutting of single rope wire
- optimum transmission ratio for high cutting performance

- low weight
- replaceable cutter head
- high-strength aluminium handles
- cutter head made of special grade tool steel, oil-hardened and tempered

Article-No.	Length mm	EAN-Code 4003773-	Head	Handles	Cutting capacities mm²	ø mm	ø mm	AWG	⚖ g
95 77 600		025313	polished	plastic dipped insulated 1000 V VDE-tested	150	14	9	5/0	2250
95 79 600		025337	spare cutter head						

98 Open End Wrenches

DIN 7446

1000 V
IEC 60900
DIN EN 60900

- jaw 15° angled
- basic tool chrome plated
- forged from Chrome Vanadium steel
- tested according to DIN EN/IEC 60900: 2004

98 00 14

Article-No.	Width across flats S	EAN-Code	Length l max*	Head width b max*	Head Hickness a max*	⚖
	mm	4003773-	mm	mm	mm	g
98 00	**07**	019824	105	20.0	4.0	30
	08	019831	105	22.0	4.0	30
	09	019848	105	24.0	4.0	35
	10	019893	105	27.0	5.0	40
	11	019909	120	30.0	5.5	60
	12	019923	125	32.0	5.5	60
	13	019930	130	34.0	6.5	65
	14	019947	135	35.0	6.5	80
	15	019954	145	37.0	7.0	85
	16	019961	155	38.0	7.0	110
	17	019978	155	42.0	8.0	110
	18	019985	160	44.0	8.0	140
	19	019992	165	47.0	9.0	150
	22	020004	190	52.0	9.0	200
	24	020011	210	56.0	9.0	280
	27	020028	215	63.0	9.0	310

* complies with the non-insulated basic tool

Open End Wrenches Imperial sizes

Article-No.	EAN-Code	Width across flats	Length	⚖
	4003773-	INCH	INCH	g
98 00 1/4"	019886	1/4	4 1/4	30
98 00 5/16"	020073	5/16	4 1/4	35
98 00 3/8"	020042	3/8	4 1/4	40
98 00 7/16"	020097	7/16	4 3/4	60
98 00 1/2"	019879	1/2	5 1/2	60
98 00 9/16"	020110	9/16	6	85
98 00 5/8"	020080	5/8	6 1/2	110
98 00 3/4"	020035	3/4	7	150

98 Box Wrenches

DIN 7447

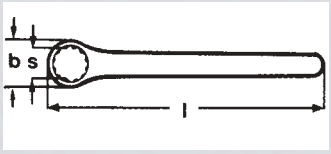
1000 V
IEC 60900
DIN EN 60900

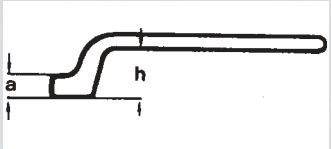
- cranked
- basic tool chrome plated
- forged from Chrome Vanadium steel
- tested according to DIN EN/IEC 60900: 2004

98 01 14

Article-No.	Width across flats S	EAN-Code	Length l max*	Head width b max*	Head Hickness a max*	Depth of crank h max*	⚖
	mm	4003773-	mm	mm	mm	mm	g
98 01	**07**	020134	160	12.0	7	18	50
	08	020141	165	14.0	7	19	50
	09	020158	170	15.5	8	19	75
	10	020196	175	17.0	9	20	80
	11	020202	180	18.5	10	21	90
	12	020226	190	18.5	10	23	120
	13	020233	200	21.5	11	23	130
	14	020240	210	23.0	12	24	150
	15	020257	215	24.0	12	24	165
	16	020264	215	26.0	12	26	185
	17	020271	220	27.0	13	26	190
	18	020288	220	29.0	13	28	235
	19	020295	240	30.0	14	28	250
	22	020301	260	35.0	15	30	265
	24	020318	280	38.0	16	30	355

* complies with the non-insulated basic tool





98 Nut Drivers
with handle

98 03 10

DIN 7445

1000 V
IEC 60900
DIN EN 60900

- ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- handle design prevents rolling
- VDE tested according to DIN EN/IEC 60900: 2004
- high-alloy chrome vanadium/molybdenum steel

Article-No.	Width across flats S mm	EAN-Code 4003773-	Length mm	Blade length mm	Handle length mm	Head dia. ø mm	g
98 03	05.5	026082	230	125	105	11	70
	06	026099	230	125	105	12	70
	07	026105	235	125	110	14	110
	08	024095	235	125	110	15	110
	09	026112	235	125	110	16	110

Article-No.	Width across flats S mm	EAN-Code 4003773-	Length mm	Blade length mm	Handle length mm	Head dia. ø mm	g
98 03	10	026129	235	125	110	17	110
	11	026136	235	125	110	19	160
	12	026143	235	125	110	20	160
	13	026150	235	125	110	21	165

98 Nut Drivers
with fixed T-Handle

98 04 13

DIN 7440

1000 V
IEC 60900
DIN EN 60900

- special tool steel, oil-hardened and tempered
- VDE tested according to DIN EN/IEC 60900: 2004

Article-No.	Width across flats S mm	EAN-Code 4003773-	Length mm	Handle width mm	Head dia. ø mm	g
98 04	10	026167	200	155	19,5	350
	13	026198	200	155	23,5	375
	17	026211	200	155	28,5	450
	19	020424	200	155	31,0	570
	22	026228	200	155	34,5	615

Article-No.	Width across flats S mm	EAN-Code 4003773-	Length mm	Handle width mm	Head dia. ø mm	g
98 05	13	026273	300	155	23,5	435
	17	026297	300	155	28,5	580
	19	026303	300	155	31,0	750

98 Screwdrivers
for hexagon socket screws

98 13 30

DIN 7439

1000 V
IEC 60900
DIN EN 60900

- ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- handle design prevents rolling
- VDE tested according to DIN EN/IEC 60900: 2004
- high-alloy chrome vanadium/molybdenum steel

Article-No.	Width across flats S mm	EAN-Code 4003773-	Length mm	Blade length mm	Length of non-insulated blade mm	Handle length mm	g
98 13	2.5	026334	175	75	15	100	40
	3.0	026341	180	75	15	105	45
	4.0	026358	180	75	15	105	40

Article-No.	Width across flats S mm	EAN-Code 4003773-	Length mm	Blade length mm	Length of non-insulated blade mm	Handle length mm	g
98 13	5.0	026365	185	75	15	110	65
	6.0	026372	210	100	15	110	80

98 Screwdrivers with T-Handle
for hexagon socket screws

98 15 08

1000 V
IEC 60900
DIN EN 60900

- special tool steel, oil-hardened and tempered
- tested according to DIN EN/IEC 60900: 2004

Article-No.	Width across flats S mm	EAN-Code 4003773-	Length mm	Length of non-insulated blade ±2 mm	T-Handle width mm	g
98 14	05	020431	120	9	90	195
	06	020448	120	10	90	200
	08	020455	120	11	90	270

Article-No.	Width across flats S mm	EAN-Code 4003773-	Length mm	Length of non-insulated blade ±2 mm	T-Handle width mm	g
98 15	05	020479	250	9	90	325
	06	020486	250	10	90	330
	08	020493	250	11	90	440

98 Screwdrivers

for slotted screws

DIN 7437

98 20 55

1000 V
IEC 60900
DIN EN 60900

- ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- handle design prevents rolling
- VDE tested according to DIN EN/IEC 60900: 2004
- high-alloy chrome vanadium/ molybdenum steel

Model 98 21 45:
- especially for meter assembly with blade length of 180 mm

Article-No.	Blade width	EAN-Code	Blade thickness	Length	Blade length	Length of non-insulated blade	Handle length	
	mm	4003773-	mm	mm	mm	mm	mm	g
98 20	**2.5**	062325	0.4	175	75	15	100	25
	3.0	062332	0.5	200	100	15	100	25
	3.5	024217	0.6	200	100	15	100	35
	4.0	026402	0.8	200	100	15	100	35
	5.5	024224	1.0	230	125	15	105	60
	6.5	026419	1.2	265	150	15	110	90
	8.0	024231	1.2	295	175	15	120	150
	10.0	026396	1.6	320	200	15	120	220
98 21	**4.5**	026426	0.8	285	180	15	105	60

98 Screwdrivers

for cross recessed Phillips® screws

DIN 7438

98 24 03

1000 V
IEC 60900
DIN EN 60900

- ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- handle design prevents rolling
- VDE tested according to DIN EN/IEC 60900: 2004
- high-alloy chrome vanadium/ molybdenum steel

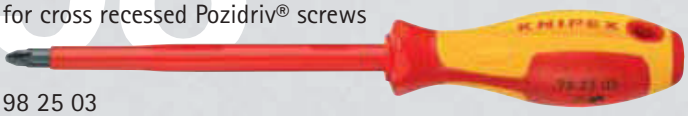
Phillips® is a registered Trademark of Phillips Screw Company

Article-No.	Size	EAN-Code	Length	Blade length	Length of non-insulated blade	Handle length	
	No.	4003773-	mm	mm	mm	mm	g
98 24	**00**	026433	160	60	15	100	25
	01	026440	185	80	15	105	40
	02	026457	210	100	20	110	70
	03	026464	270	150	20	120	150
	04	026471	320	200	20	120	220

98 Screwdrivers

for cross recessed Pozidriv® screws

DIN 7438



98 25 03

1000 V
IEC 60900
DIN EN 60900

- ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- handle design prevents rolling
- VDE tested according to DIN EN/IEC 60900: 2004
- high-alloy chrome vanadium/ molybdenum steel

Pozidriv® is a registered Trademark of Ind. Serv. Ltd.

Article-No.	Size	EAN-Code	Length	Blade length	Length of non-insulated blade	Handle length	
	No.	4003773-	mm	mm	mm	mm	g
98 25	**00**	062370	160	60	15	100	40
	01	031260	185	80	15	105	50
	02	031277	210	100	20	110	65
	03	031284	270	150	20	120	140
	04	062387	320	200	20	120	170

98 T-Handle Drives

with driving square 1/2" — DIN 7436 — **1000 V** — **IEC 60900: 2004** — **DIN EN 60900**

- for use with sockets
- basic tool chrome plated
- for quick, easy and secure locking of attached sockets
- special tool steel
- square oil-hardened and tempered
- tested according to EN/IEC 60900: 2004

98 40

Article-No.	EAN- Code 4003773-	Handle length mm	Square drive	Length mm	g
98 40	026501	165	½"	200	590

98 Reversible Ratchets

with driving square 3/8" or 1/2" — DIN 7449 — **1000 V** — **IEC 60900: 2004** — **DIN EN 60900**

- for use with sockets
- reversible for clockwise and anti-clockwise directions
- extremely smooth action
- for quick, easy and secure locking of attached sockets
- Chrome Vanadium steel
- tested according to EN/IEC 60900: 2004

98 31

Article-No.	EAN- Code 4003773-	Square drive	Length mm	g
98 31	026495	3/8"	190	325
98 41	026518	½"	265	600

98 Extension Bars

with internal and driving square 3/8" or 1/2" — DIN 7434 — **1000 V** — **IEC 60900: 2004** — **DIN EN 60900**

- for use with sockets
- with internal and external square
- forged
- for quick, easy and secure locking of attached sockets
- Chrome Vanadium steel
- tested according to EN/IEC 60900: 2004

98 35 125

98 35 250

Article-No.	Length mm	EAN- Code 4003773-	Square drive	g
98 35	**125**	020530	3/8" 3/8"	140
	250	020547		260
98 45	**125**	020813	½" ½"	210
	250	020820		430

98 Hexagon Sockets

with internal square 3/8" or 1/2"
for hexagon screws

DIN 7448

1000 V
IEC 60900: 2004
DIN EN 60900

- for metric and imperial hexagonal head screws
- basic tool chrome plated
- Chrome Vanadium steel
- tested according to EN/IEC 60900: 2004

98 37 17

Article-No.	Width across flats S	EAN-Code	dia of effective tool side d max.	Square drive	⚖
	mm	4003773-	ø mm		g
98 37	**10**	020578	18.7		30
	11	020585	20.0		30
	12	020608	21.7	3/8"	45
	13	020615	22.5		35
	14	020622	23.7		40
	17	020639	27.5		60
	19	020646	30.0		75
98 47	**10**	020882	19.5		60
	11	020899	20.7		60
	12	020912	23.0		60
	13	020929	23.2		65
	14	020943	24.5		65
	16	027287	26.9	1/2"	70
	17	020967	28.2		70
	18	027294	29.0		80
	19	020974	30.7		100
	22	020981	34.5		125
	24	020998	37.0		155
	27	021001	41.0		180

Hexagon Sockets imperial sizes

Article-No.	EAN-Code	Width across flats	Square drive	⚖
	4003773-	INCH		g
98 37 5/16"	020684	5/16		35
98 37 3/8"	020677	3/8		35
98 37 7/16"	020707	7/16		35
98 37 1/2"	020554	1/2	3/8"	40
98 37 9/16"	020721	9/16		40
98 37 5/8"	020691	5/8		40
98 37 3/4"	020660	3/4		70
98 47 1/2"	020875	1/2		55
98 47 9/16"	021094	9/16		60
98 47 5/8"	021063	5/8		60
98 47 11/16"	020905	11/16	1/2"	70
98 47 3/4"	021018	3/4		90
98 47 7/8"	021087	7/8		120
98 47 1"	020868	1		165

98 Screwdriver Socket Wrenches

with internal square 3/8" or 1/2" for hexagon screws

1000 V
IEC 60900: 2004
DIN EN 60900

- for metric internal hexagonal head screws
- basic tool chrome plated
- tested according to EN/IEC 60900: 2004

98 39 06

Article-No.	Width across flats S	EAN-Code	Length	Length of non-insulated blade ± 2	Square drive	⚖
	mm	4003773-	mm	mm		g
98 39	**05**	020776	75	9	3/8"	55
	06	020783	75	10		60
98 49	**05**	021155	75	9	1/2"	90
	06	021162	75	10		90
	08	021179	75	11		90

98 Reversible Ratchet

with driving square 1/2" DIN 7449

1000 V
IEC 60900: 2004
DIN EN 60900

98 42

- reversible for clockwise and anti-clockwise directions
- easy and secure locking of attached sockets due to screw lock
- Chrome Vanadium steel
- tested according to EN/IEC 60900: 2004

Article-No.	EAN-	Square drive		⚖
	Code		Length	
	4003773-		mm	g
98 42	026525	½	265	600

98 Torque Wrench

with driving square 1/2", reversible

1000 V
IEC 60900: 2004
DIN EN 60900

98 43

- reversible for clockwise and anti-clockwise directions
- transparent insulated scale range 8 - 54 Nm
- lockable torque adjustment
- easy and secure locking of attached sockets due to screw lock
- calibration certificate included
- Chrome Vanadium steel
- tested according to EN/IEC 60900: 2004

Article-No.	EAN-	Range of application	Square drive		⚖
	Code			Length	
	4003773-			mm	g
98 43	026532	8 - 54 Nm	½"	325	900

98 Cable Knife

1000 V
IEC 60900
DIN EN 60900

98 52

with protective cap

- solid, fixed straight blade
- blade oil-hardened and tempered
- handle with slip guard
- transparent protective cap
- VDE tested according to DIN EN/IEC 60900: 2004

Article-No.	EAN-	Blade length		⚖
	Code		Length	
	4003773-	mm	mm	g
98 52	022541	50	180	70

98 Dismantling Knife

98 53 03

1000 V
IEC 60900
DIN EN 60900

- solid, fixed hook blade
- blade oil-hardened and tempered
- handle with slip guard
- transparent protective cap
- VDE tested according to DIN EN/IEC 60900: 2004

Article-No.	EAN-Code	Blade length	Radius	Length	⚖
	4003773-	mm	mm	mm	g
98 53 03	026549	28	7	155	70

with protective cap

98 Dismantling Knife

98 53 13

1000 V
IEC 60900
DIN EN 60900

- narrow, fixed hook blade, sickle shaped
- suitable for sector cables
- blade oil-hardened and tempered
- handle with slip guard
- transparent protective cap
- VDE tested according to DIN EN/IEC 60900: 2004

Article-No.	EAN-Code	Blade length	Radius	Length	⚖
	4003773-	mm	mm	mm	g
98 53 13	026556	50	40	180	70

with protective cap

98 Cable Knife

98 54

1000 V
IEC 60900
DIN EN 60900

- solid, fixed straight blade
- blade oil-hardened and tempered
- back of the blade plastic coated to avoid short circuit
- handle with slip guard
- transparent protective cap
- VDE tested according to DIN EN/IEC 60900: 2004

Article-No.	EAN-Code	Blade length	Length	⚖
	4003773-	mm	mm	g
98 54	026563	50	180	75

with protective cap

98 Dismantling Knife

98 55

1000 V
IEC 60900
DIN EN 60900

- solid, fixed hook blade, sickle shaped
- with guide shoe at the blade point
- no damage of the conductor insulation
- blade made of stainless steel, vacuum hardened
- handle with slip guard
- transparent protective cap
- VDE tested according to DIN EN/IEC 60900: 2004

Article-No.	EAN-Code	Blade length	Length	⚖
	4003773-	mm	mm	g
98 55	022558	38	155	90

with protective cap

98 Cable Knife

98 56

1000 V
IEC 60900
DIN EN 60900

- solid, fixed straight blade
- replaceable specially ground blade
- blade made of stainless steel
- with hinged blade guard, integrated in the handle, captive
- back of the blade plastic coated to avoid short circuit
- handle with slip guard
- VDE tested according to DIN EN/IEC 60900: 2004

Article-No.	EAN- Code	Blade length	Length	⚖
	4003773-	mm	mm	g
98 56	026570	50	185	65
98 56 09	030829	spare blade		

98 Voltage Tester with load application

DUSPOL® compact

98 60 04

1000 V
IEC/EN 61243-3
DIN VDE 0682-401

- LED display shows direct and alternating current levels 12, 24, 50, 120, 230, 400 and 750 V
- polarity test with direct voltage
- identifying the phase conductor against the protective conductor (PE) in alternating voltage
- load application to suppress inductive and capacitive voltage at $I_s \leq 200$ mA
- VDE tested according to DIN EN/IEC 61243-3

DUSPOL® is a registered Trademark of Benning, Elektrotechnik + Elektronik GmbH & Co. KG

Article-No.	EAN- Code	Length	⚖
	4003773-	mm	g
98 60 04	051961	1400	185

98 Insulating Flat Nose Plier

from plastic

98 62 200

1000 V
DIN EN 60900: 1997

- especially for meter assembly and meter blocking
- fully insulating to avoid short circuits
- fibreglass reinforced plastics
- tested according to DIN EN 60900: 1997

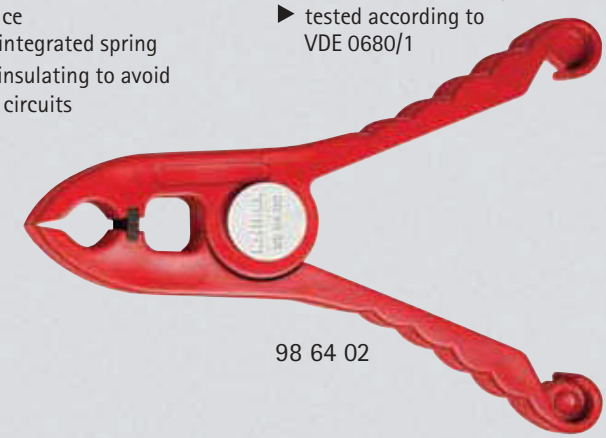
Article-No.	EAN- Length	Code	⚖
	mm	4003773-	g
98 62 200		021186	90

98 Insulating Plastic Clamp

1000 V
VDE 0680/1

- for holding insulating mats in place
- with integrated spring
- fully insulating to avoid short circuits
- fibreglass reinforced plastics
- tested according to VDE 0680/1

Article-No.	EAN- Code	Clamping capacity	Length	⚖
	4003773-	mm	mm	g
98 64 02	021193	15	150	65



98 64 02

98 Plastic Slip-On Caps, conical

1000 V
VDE 0680/1

- for protection against bare live cable ends (max. 10 mm dia.)
- plastic
- tested according to VDE 0680/1

Article-No.	EAN- Code	Conductor key	Length	⚖
	4003773-		mm	g
98 65 01	021209	1	80	7
98 65 02	021216	2	80	7
98 65 03	021223	3	80	7

98 65 01

98 Self-Clamping Slip-On Caps

1000 V
VDE 0680/1

- for protection against bare live cable ends
- plastic
- tested according to VDE 0680/1

Article-No.	EAN- Code	Inside dia.	Length	⚖
	4003773-	mm	mm	g
98 65 10	021230	10	80	10
98 65 20	021247	20	100	30
98 65 30	021261	30	110	40

98 65 30

98 Electricans` Gloves

1000 V
DIN EN/IEC 60903

- for protection when working live or close to live parts
- classification: 0
- tested according to DIN EN/IEC 60903

Article-No.	EAN- Code	Size	⚖
	4003773-		g
98 65 40	021285	9	270
98 65 41	021292	10	280

98 65 40

98 Insulating Mats

from rubber

1000 V

VDE 0680/1

- for protection when working live or close to live parts
- tested according to VDE 0680/1

Article-No.	EAN-	Dimensions		
	Code		Thickness	
	4003773-	mm	mm	g
98 67 05	026600	500 x 500	1.6	460
98 67 10	026617	1000 x 1000	1.6	1940

98 67 05

98 Junior Hacksaw

1000 V
IEC 60900
DIN EN 60900

- saw blade for metal and wood with 25 teeth per inch, exchangeable
- tested according to DIN EN/IEC 60900: 2004

Article-No.	EAN-	saw blade		
	Code	Length	Length	
	4003773-	mm	mm	g
98 90	028321	150	240	170

98 90

98 Compact Tool Case, 17 parts

with insulated tools for working on electrical installations

1000 V
IEC 60900
DIN EN 60900

- shock-resistant plastic case
- containing a range of conventional insulated KNIPEX tools for working on electrical installations, tested according to DIN EN/IEC 60900: 2004

Article-No.	EAN-	Contents:	Article		
	Code	Article-No.			Length/Size
	4003773-				
98 99 11	026624	03 07 200	Combination Pliers		200 mm
		70 07 160	Diagonal Cutter		160 mm
		98 20 35	Screwdriver, for slotted screws		3.5 mm
		98 20 40	Screwdriver, for slotted screws		4.0 mm
		98 20 55	Screwdriver, for slotted screws		5.5 mm
		98 24 00	Screwdriver, Phillips		PH 0
		98 42	Reversible Ratchet		265 mm
		98 45 125	Extension Bar		125 mm
		98 45 250	Extension Bar		250 mm
		98 47 10	Hexagon Socket		SW 10 mm
		98 47 11	Hexagon Socket	½"	SW 11 mm
		98 47 12	Hexagon Socket	Drive	SW 12 mm
		98 47 13	Hexagon Socket		SW 13 mm
		98 47 14	Hexagon Socket		SW 14 mm
		98 47 17	Hexagon Socket		SW 17 mm
		98 47 19	Hexagon Socket		SW 19 mm
		98 52	Cable Knife		180 mm

98 99 11