



MAGNETIC LIFTER

2in1 telescopic magnetic holder with washing nozzle cleaning and adjustment tool

- ·Load capacity to 0.5 kg
- With telescopic function
- Practical service tool
- ·With sturdy, scriber-like centre
- With narrow cleaning rod
- Ideally suited to the cleaning and adjustment of windscreen washer nozzles
- · Also suited to the adjustment of headlight washer nozzles
- With mounting clip for breast pocket Includes protective covers
- Aluminium





150.0 - 675.0

25

Telescopic magnetic lifter

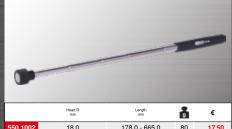
8.0

- Load capacity to 1.5 kg
 Magnet power raised 35% due to energy safety cap
 Stainless steel



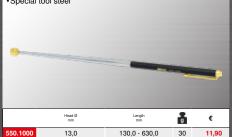
	Head Ø mm	Length mm	g	€
550.1004	13,0	178,0 - 675,0	70	16,50

- ·Load capacity to 1.5 kg
- · With telescopic function
- Magnet power raised 35% due to energy safety cap
 Stainless steel



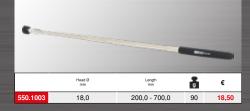
Telescopic magnetic lifter

- Load capacity to 2 kg
- With telescopic functionClip for the breast pocket
- ·Special tool steel



Telescopic magnetic lifter

- ·Load capacity to 5 kg
- •With rotary head •With telescopic function
- Magnet power raised 35% due to energy safety cap
 Stainless steel



Flexible magnetic holder

- •Load capacity to 200 g
 •Flexible shaft
- •4 mm with a very thin magnetic seat
- One component handle





Flexible magnet lifter

- ·Load capacity to 2 kg
- Magnet power raised 35% due to energy safety cap
- ·Special tool steel





2in1 telescopic magnetic jack with washing nozzle cleaning and adjustment tool

- Load capacity to 2.5 kg
- With telescopic functionWith flexible magnetic head
- Practical service tool
- · With sturdy, scriber-like centre
- · With narrow cleaning rod
- · Ideally suited to the cleaning and adjustment of windscreen washer nozzles
- Also suited to the adjustment of headlight washer nozzles
 With mounting clip for breast pocket
- Includes protective coversAluminium



	Head Ø mm	Length mm	g	€
550.1023	11,0	150,0 - 590,0	60	7,90



Flexible magnet lifter

- Flexible shaft
- Two component handle Special tool steel

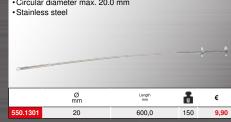


	Load capacity kg	Head Ø mm	Length mm	g	€
550.1025	1	13,0	510,0	185	10,90
550.1026	2	16,0	510,0	200	11,90
550.1027	3	19,0	510,0	200	12,90

CLAW GRIP

Flexible pick up tool

- Flexible
- · Circular diameter max. 20.0 mm





INSPECTION MIRRORS WITHOUT ILLUMINATION

Search mirror with protective insulation

- •Insulated handle to IEC 60900
- Insulated
- · Chrome vanadium



	mm	Length mm	4	g	€
117.1630	21	175,0	<u>☆</u> 1000V	20	52,50

Mechanics mirror

- For visual monitoring and troubleshooting Ideal for difficult to access areas
- · Special tool steel



	D mm	L mm	g	€
118.0086	12,0	130,0	4	21,50
118.0087	21,0	130,0	9	21,50
118.0088	27,0	130,0	16	21,50

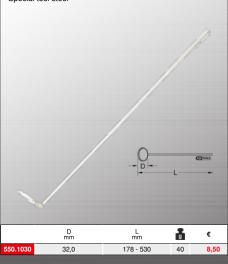
Telescopic magnifying glass

- · With telescopic function
- •Single ball joint •360° revolving
- Impact proof acrylic glass
- · Special tool steel



scopic mechanics mirro

- •With telescopic function
- For visual monitoring and troubleshooting
- · Double ball joint
- Head swiveling in all directions
 Clip for the breast pocket
- Ideal for difficult to access areasSpecial tool steel



Telescopic inspection mirror

- ·With telescopic function
- For visual monitoring and troubleshooting
- ·Single ball joint
- Head swivels in all directions
 Impact resistant mirror
- •Stainless steel



	mm	mm	mm mm	g	€
550.1007	45,0	63,0	178,0 - 675,0	100	16,50

- •With telescopic function
- For visual monitoring and troubleshooting
- Mirror out of stainless steel with plate-glass
- •Stainless steel



	Width	Height mm	Length mm	g	€
550.1019	57,0	63,0	178,0 - 630,0	100	40,90

- ·With telescopic function
- For visual monitoring and troubleshooting
- · Single ball joint
- Stainless steel mirror

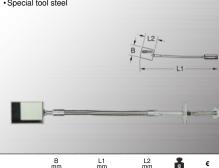


Magnetic welding mirrors

- •Mirror chrome
- •Flexible arm
 •Special tool steel
- € 70,0 500,0 80,0 470

Flexible inspection mirror

- adjustable by pressing the button
- · Special tool steel



	mm	mm	mm	g	€
0.7823	45,0	495,0	70,0	225	48,50

Telescopic set

- With telescopic function
 Telescopic-Magnet up to 1.5 kg
- Magnet power raised 35% due to energy safety cap Telescopic-Inspection mirror, 45.0 x 63.0 mm
- Length 178,0-860,0 mm
 Special tool steel
- In durable plastic storage case



			8	€
550.1102	2 pcs	Telescopic set	280	35,50

Telescopic inspection mirror, 178-675mm, 45x63mm 100		9	
	550.1007	100	
	550.1002	80	

INSPECTION MIRROR WITH LIGHTING

Flexible inspection mirror with lighting

- Ideal for very long network independent working
- · LED light source
- For visual monitoring and troubleshooting
- Double ball jointApprox. 60 hours lamp duration
- •1 x CR2032 battery included •Impact proof housing

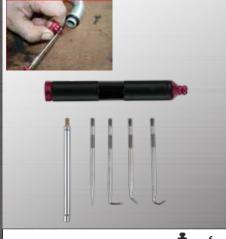


Illumination period max Length mm



Magnet and hook tool set

- · Ideal for removing and use of O rings and seals
- With telescopic magnet attachment and replaceable hook
 Storage compartment in the handle for the various attach-
- ·Special tool steel

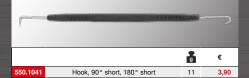


		g	€
550.1080 6 pc	Magnet and hook tool set	70	21,50

HOOK TOOLS

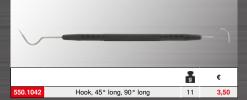
ok, 90° short, 180° short

- •Ideal for removing and use of O rings and seals
- ·Special tool steel



Hook, 45° long, 90° long

- Ideal for removing and use of O rings and seals
- ·Special tool steel

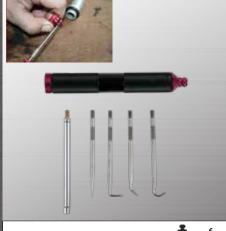


- •Ideal for removing and use of O rings and seals
- ·Special tool steel



			g	€
50.1040	2 pcs	Hook tool set	30	8,50

		g	
550.1041	Hook, 90° short, 180° short bent	11	
550.1042	Hook, 45° long, 90° long	11	



330.1000	o pos	wagnet and nook tool set	70	21,00
consists	of:			
			•	
			g	
550 1091	Bacic II	unit .	25	

Telescopic magnet attachment, 90-390 mm 13 550.1083 Hook attachment, straight, 75 mm 550.1084 Hook attachment, 90°, 75 mm 5 Hook attachment, 120°, 75 mm 5 550.1086 Hook attachment, lateral bend, 75 mm 5

Hook, straight

- •Ideal for removing and use of O rings and seals
- Two component handle
- ·Special tool steel



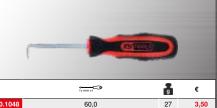
	I+ mm -I	g	€
550.1046	60,0	27	3,50

- •Ideal for removing and use of O rings and seals
 •Two component handle
- ·Special tool steel



	i _e mm el	g	€
550.1047	60,0	27	3,50

- •Ideal for removing and use of O rings and seals
- Two component handleSpecial tool steel



Hook, 135°

- · Ideal for removing and use of O rings and seals
- Two component handle Special tool steel



V.0	00,0	_,	

- Ideal for removing and use of O rings and seals
 Two component handle
- · Special tool steel



	Length mm	g	€
550.1071	215,0	91	6,50

- Ideal for removing and use of O rings and seals
- Two component handle
- · Special tool steel



Hook, sickle

- Ideal for removing and use of O rings and seals
 Two component handle
 Special tool steel



- Ideal for removing and use of O rings and seals
- Two component handle
- · Special tool steel



			9	€
550.1045	4 pcs	Hook tool set	120	9,90

		g	
550.1046	Hook, straight	27	
550.1047	Hook, 45° offset	27	
550.1048	Hook, 90° offset	27	
550.1049	Hook, 135° bent	27	











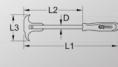
			g	€
550.1070	9 pcs	Master hook tool set	680	19,90

		9	
550.1046	Hook, straight	27	
550.1047	Hook, 45° offset	27	
550.1048	Hook, 90° offset	27	
550.1049	Hook, 135° bent	27	
550.1071	Hook, large, straight	91	
550.1072	Hook, large, 90° bent	105	
550.1073	Hook, large, sickle	88	
550.1074	T hook, S form small, 120mm	42	
550.1075	T hook, S form large, 165mm	96	

Gasket ring dismantling tool

- •sickle-shaped
- For the removal of washers
 Long durability through hardened leverage
- Universal usage
 Two component handle
- •Burnished
- · Chrome vanadium







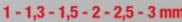
	L1 mm	L2 mm	L3 mm	D mm	g	€
550.1060	300,0	195,0	85,0	12,0	380	19,90

















PRECISION SCREWDRIVER

Electric rechargeable precision screwdrive

- · Ideal for very long network independent working
- Lightweight
 With practical clockwise and anticlockwise reversing function
- High performance lithium-ion battery
 Fast charging function (0.5 1 hour)
 Micro-USB charging connector on the side
- With charge displayUltra light Aluminium housing
- Supplied with an extensive selection of bits





2

Technical data:

Torque max. Charging time:

1 hour Battery technologie: Lithium-ion 0,26 Ah Battery voltage: 3,7 V

					9	
500.7195 Electric recharge		charge	able precision screwdriver	230	39,90	
6 x			\ominus	1,0 - 1,3 - 1,5 - 2,0 - 2,5	- 3,0	mm
5 x		- 14		1,5 - 2,0 - 2,5 - 3,0 - 3,5	mm	
4 x			•	PH00 - PH0 - PH1 - PH	2	
5 x			*	T3 - T4 - T5 - T6 - T7		

- Electrostatically protect
- Twist end cap
- Ergonomically shaped electronic screwdriver handle Two component handle

(A)

- Hardened bladeChrome finish with burnished tips
- · Blade made of chrome vanadium



	D mm	D	L1 mm	L2 mm	L3 mm	g	€
500.7701	0,8		145,0	50,0	95,0	10	2,50
500.7141	1,0		145,0	50,0	95,0	10	2,50
500.7702	1,2		145,0	50,0	95,0	10	2,50
500.7108	1,4		145,0	50,0	95,0	10	2,90
500.7756	1,8		145,0	50,0	95,0	12	2,50
500.7109	2,0		145,0	50,0	95,0	15	2,90
500.7759	2,0		195,0	100,0	95,0	15	2,50
500.7110	2,4		145,0	50,0	95,0	20	2,90
500.7762	2,4		195,0	100,0	95,0	25	2,50
500.7111	3,0		145,0	50,0	95,0	20	2,90
500.7763	3,0		195,0	100,0	95,0	25	2,50
500.7764	3,0		245,0	150,0	95,0	32	3,50
500.7713	3,5		145,0	50,0	95,0	20	3,50
500.7142	4,0		145,0	50,0	95,0	20	2,50
500.7765	4,0		195,0	100,0	95,0	25	2,50
500.7766	4,0		245,0	150,0	95,0	32	3,50
500.7144		1/16"	145,0	50,0	95,0	10	2,50
500.7145		3/32"	145,0	50,0	95,0	10	2,50
500 7146		0/64"	145.0	50.0	95.0	20	2.50



recision screwdriver for phillips screws PH

- · Electrostatically protect
- Twist end cap
 Ergonomically shaped electronic screwdriver handle
- Two component handle Hardened blade
- · Chrome finish with burnished tips
- · Blade made of chrome vanadium



		Ø mm	L1 mm	L2 mm	L3 mm	g	€
500.7126	PH 000	1,6	145,0	50,0	95,0	10	2,50
500.7106	PH 00	2,0	145,0	50,0	95,0	15	2,90
500.7831	PH 00	2,0	170,0	75,0	95,0	23	2,90
500.7107	PH 0	2,4	145,0	50,0	95,0	20	2,50
500.7128	PH 1	3,5	145,0	50,0	95,0	20	2,50
500.7125	PH 1	3,5	145,0	50,0	95,0	20	2,50
500.7129	PH 1	4,0	145,0	50,0	95,0	20	2,50
500.7833	PH 1	4,0	170,0	75,0	95,0	18	2,90
500.7834	PH 1	4,0	245,0	150,0	95,0	35	3,50

Precision screwdriver for pozidriv screws PZ

- · Electrostatically protect
- •Twist end cap
- Ergonomically shaped electronic screwdriver handle
- Two component handle
- · Hardened blade
- Chrome finish with burnished tips
- ·Blade made of chrome vanadium



		mm	L1 mm	mm	mm	g	€
500.7156	PZ 0	3,0	145,0	50,0	95,0	15	2,50
500.7157	PZ 1	4,0	145,0	50,0	95,0	15	2,50

Precision screwdriver for Torx screws

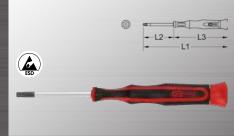
- Electrostatically protect
- Twist end cap
- Ergonomically shaped electronic screwdriver handle
- Two component handle
- · Hardened blade
- Chrome finish with burnished tips
- ·Blade made of chrome vanadium



		L1 mm	L2 mm	L3 mm	g	€
500.7726	T1	145,0	50,0	95,0	15	2,50
500.7727	T2	145,0	50,0	95,0	15	2,50
500.7728	T3	145,0	50,0	95,0	15	2,50
500.7729	T4	145,0	50,0	95,0	15	2,50
500.7140	T5	145,0	50,0	95,0	10	2,50
500.7112	T6	145,0	50,0	95,0	10	2,90
500.7113	T7	145,0	50,0	95,0	15	2,50
500.7114	T8	145,0	50,0	95,0	20	2,50
500.7115	T9	145,0	50,0	95,0	20	2,90
500.7116	T10	145,0	50,0	95,0	20	2,50
500.7117	T15	145,0	50,0	95,0	25	2,50
500.7124	T20	145,0	50,0	95,0	25	2,50

Precision screwdriver for Torx tamperproof screws

- · Electrostatically protect
- Twist end cap
 Ergonomically shaped electronic screwdriver handle
- •Two component handle •Hardened blade
- Chrome finish with burnished tips
- · Blade made of chrome vanadium



		L1 mm	L2 mm	L3 mm	g	€
500.7151	TB7	145,0	50,0	95,0	20	2,50
500.7152	TB8	145,0	50,0	95,0	20	2,50
500.7153	TB9	145,0	50,0	95,0	20	2,50
500.7154	TB10	145,0	50,0	95,0	20	2,50
500.7155	TB15	145,0	50,0	95,0	25	2,50
500.7730	TB20	145,0	50,0	95,0	18	2,50

Precision screwdriver for Torx-PLUS screws

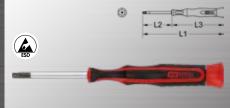
- Electrostatically protect
- •Twist end cap
- Ergonomically shaped electronic screwdriver handle
- Two component handle
- · Hardened blade
- Chrome finish with burnished tips
- ·Blade made of chrome vanadium



		L1 mm	L2 mm	L3 mm	g	€
500.7806	IP1	145,0	50,0	95,0	10	2,50
500.7807	IP2	145,0	50,0	95,0	10	2,50
500.7813	IP4	145,0	50,0	95,0	20	2,50
500.7814	IP5	145,0	50,0	95,0	10	2,50
500.7815	IP6	145,0	50,0	95,0	20	2,50
500.7816	IP7	145,0	50,0	95,0	20	2,50
500.7817	IP8	145,0	50,0	95,0	20	2,50
500.7818	IP9	145,0	50,0	95,0	20	2,50
500.7819	IP10	145,0	50,0	95,0	20	2,50
500.7821	IP15	145,0	50,0	95,0	20	2,50
500.7822	IP20	145,0	50,0	95,0	20	2,50

Precision screwdriver for Torx-PLUS screws with bore

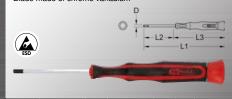
- · Electrostatically protect
- Twist end cap
- Ergonomically shaped electronic screwdriver handle
- Two component handle
- Hardened blade
- Chrome finish with burnished tips
- · Blade made of chrome vanadium



		L1 mm	L2 mm	L3 mm	g	€
500.7808	IPR3	145,0	50,0	95,0	10	2,50
500.7809	IPR4	145,0	50,0	95,0	10	2,50
500.7811	IPR5	145,0	50,0	95,0	10	2,50
500.7812	IPR6	145,0	50,0	95,0	10	2,50

Precision screwdriver for hexagon screws

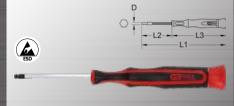
- Electrostatically protect
- Twist end cap
 Ergonomically shaped electronic screwdriver handle
- Two component handle Hardened blade
- · Chrome finish with burnished tips
- · Blade made of chrome vanadium



		D mm	D	L1 mm	L2 mm	L3 mm	g	€
500.772	1	0,7		145,0	50,0	95,0	10	2,50
500.772	2	0,9		145,0	50,0	95,0	10	2,50
500.772	3	1,3		145,0	50,0	95,0	10	2,50
500.71	9	1,5		145,0	50,0	95,0	10	2,50
500.712	20	2,0		145,0	50,0	95,0	10	2,50
500.712	1	2,5		145,0	50,0	95,0	15	2,50
500.712	2	3,0		145,0	50,0	95,0	20	2,50
500.712	:3	3,5		145,0	50,0	95,0	20	2,50
500.77	8		0,05"	145,0	50,0	95,0	15	2,50
500.714	7		1/16"	145,0	50,0	95,0	10	2,50
500.772	4		5/64"	145,0	50,0	95,0	10	2,50
500.714	8		3/32"	145,0	50,0	95,0	15	2,50
500.772	.5		7/64"	145,0	50,0	95,0	15	2,50
500.714	9		1/8"	145,0	50,0	95,0	20	2,50

Precision mechanic screwdriver for hexagon socket screws - with ball head

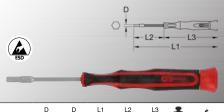
- · Electrostatically protect
- Twist end cap
- · Ergonomically shaped electronic screwdriver handle
- Two component handle
- · Hardened blade
- Chrome finish with burnished tips
- · Blade made of chrome vanadium



	D mm	D	L1 mm	L2 mm	L3 mm	g	€
500.7779	1,3		145,0	50,0	95,0	14	2,50
500.7785	1,5		145,0	50,0	95,0	14	2,90
500.7786	2,0		145,0	50,0	95,0	15	2,90
500.7787	2,5		145,0	50,0	95,0	17	2,90
500.7788	3,0		145,0	50,0	95,0	19	2,90
500.7789		1/16"	145,0	50,0	95,0	14	2,50
500.7791		5/64"	145,0	50,0	95,0	15	2,50
500.7792		3/32"	145,0	50,0	95,0	16	2,50
500.7793		7/64"	145,0	50,0	95,0	19	2,50
500.7794		1/8"	145,0	50,0	95,0	19	2,50
500.7795		9/64"	145,0	50,0	95,0	20	2,50
500.7796		5/32"	145,0	50,0	95,0	20	2,50

Precision screwdriver for external hexagon screws

- Electrostatically protect
- Twist end cap
- Ergonomically shaped electronic screwdriver handle
- Two component handle
- · Hardened blade
- · Blades made from special steel



	mm	mm	mm	mm	g	
500.7731	1,5	165,0	75,0	90,0	10	2,90
500.7767	1,8	165,0	75,0	90,0	10	2,90
500.7130	2,0	165,0	75,0	90,0	10	2,90
500.7131	2,5	165,0	75,0	90,0	10	2,90



	D mm	D	L1 mm	L2 mm	L3 mm	9	€
500.7132	3,0		165,0	75,0	90,0	15	2,90
500.7133	3,2		165,0	75,0	90,0	30	2,90
500.7134	3,5		165,0	75,0	90,0	30	2,90
500.7135	4,0		165,0	75,0	90,0	30	2,90
500.7733	4,5		165,0	75,0	90,0	22	2,90
500.7734	5,0		165,0	75,0	90,0	22	2,90
500.7735	5,5		165,0	75,0	90,0	25	2,90
500.7768	6,0		165,0	75,0	90,0	30	3,50
500.7769	7,0		165,0	75,0	90,0	30	3,50
500.7136		3/32"	165,0	75,0	90,0	20	2,90
500.7137		7/64"	165,0	75,0	90,0	20	2,90
500.7738		1/8"	165,0	75,0	90,0	22	2,90
500.7138		9/64"	165,0	75,0	90,0	30	2,90
500.7771		5/32"	165,0	75,0	90,0	20	2,90
500.7139		11/64"	165,0	75,0	90,0	30	2,90
500.7772		3/16"	165,0	75,0	90,0	20	2,90
500.7773		7/32"	165,0	75,0	90,0	20	3,50
500.7774		1/4"	165,0	75,0	90,0	20	3,50

PRECISION SCREWDRIVER SETS

Precision screwdriver set Torx

- · Electrostatically protect
- Twist end cap
 Ergonomically shaped electronic screwdriver handle
- Two component handle
- · Hardened blade
- Chrome finish with burnished tipsBlade made of chrome vanadium
- In durable ABS storage case



			g	€				
500.7160	7 pcs	Precision screwdriver set Torx	100	19,50				
7 x T6 - T7 - T8 - T9 - T10 - T15 - T20								

Precision screwdriver set PH and slotted

- · Electrostatically protect
- Twist end cap
 Ergonomically shaped electronic screwdriver handle
- Two component handle
- Hardened blade
- Chrome finish with burnished tips
- Blade made of chrome vanadium
 In durable ABS storage case



			g	€
500.7165	7 pcs	Precision screwdriver set PH and slotted	100	19,50
3 x		PH00 - PH0 - PH1		
4 x	_	1,4 - 2,0 - 2,4 - 3,0 mm		

Precision screwdriver set PH, slotted and Torx

- · Electrostatically protect
- Twist end cap
 Ergonomically shaped electronic screwdriver handle
- •Two component handle •Hardened blade
- · Chrome finish with burnished tips
- ·Blade made of chrome vanadium
- •In durable plastic storage case



ES	•					
					g	€
500.71	70	14 pcs		sion screwdriver set PH, d and Torx	200	33,50
3 x PH00 - PH0 - PH1						
4 x 1,4 - 2,0 - 2,4 - 3,0 mm						
7 x				T6 - T7 - T8 - T9 - T10	- T15	- T20

- · Electrostatically protect
- Twist end cap
- Ergonomically shaped electronic screwdriver handle
- •Two component handle
- · Hardened blade
- Chrome finish with burnished tips Blade made of chrome vanadium
- In durable plastic storage case



				kg	€
500.7150	37 pcs	Precis	ion screwdriver set	1,80	85,50
6 x		PH000 - PH00 - PH0 x 3,5 -		4,0	
7 x			1,0 - 2,0 - 3,0 - 4,0 mm 3/32" - 9/64"	- 1/16"	-
2 x	_		T5 - T6		
7 x			1,5 - 2,0 - 2,5 - 3,0 - 1/16	6" - 3/3	2" - 1/8"
10 x		0	2,0 - 2,5 - 3,0 - 3,2 - 3,5 7/64" - 9/64" - 1.1/64"	- 4,0 -	3/32" -
5 x	-		TB7 - TB8 - TB9 - TB10	- TB1	5

Precision tool set

- Includes precision screwdrivers and tweezers
- Suitable for wire Serrated execution
- Induction-hardened precision cuttingSelf opening double spring
- Twist end cap
- Ergonomically shaped electronic screwdriver handle
- Hardened blade
 Chrome finish with burnished surface
- Two component handle
- Black chrome
 Blades made from



				a	-
500.7180	500.7180 10 pcs Precision tool set		400	32,50	
1 x	*		125 mm		
1 x	*		100 mm		
1 x			145 mm		
3 x _		•	PH00 - PH0 - PH1		
4 x _		$ \bigcirc$	1,4 - 2,0 - 2,4 - 3,0 mm		

Precision tool set

- Includes precision screwdrivers and tweezers
- Suitable for wire
- Serrated execution
- Induction-hardened precision cutting
- Self opening double spring Twist end cap
- Ergonomically shaped electronic screwdriver handle
 Hardened blade
- Chrome finish with burnished surface
- Two component handle
- · Blades made from special steel



				kg				
500.71	90	21 pcs	Precis	ion tool set	1,40	99,90		
2 x		~		125 - 130 mm				
1 x		*	\subset	100 mm				
1 x		*	\subset	100 mm				
1x = -				125 mm				
1 x		×	\subset	150 mm				
1 x	-			145 mm				
3 x	_		•	PH00 - PH0 - PH1				
4 x	_	-	\bigcirc	1,4 - 2,0 - 2,4 - 3,0 mm				
7 x	_	_		T6 - T7 - T8 - T9 - T10 -	T15	- T20		

MAGNETIZERS AND DEMAGNETIZERS

Magnetizer and demagnetizer

- •Easy to use
- •To magnetise by pulling the blade through
 •To demagnetise by pulling the blade over the recess
- · For screwdrivers, tweezers and similar tools made of steel
- Plastic housing



50.0

50.0

70

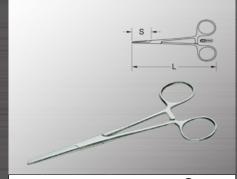
3.50

PRECISION PLIERS

28.0

Mounting clamp pliers

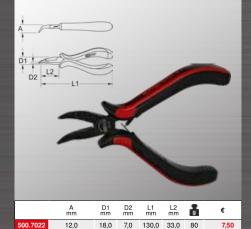
- •3 way adjustable locking
- Toothed gripping surfaces
 Anti glare no annoying reflection
- Matt finish
- ·Stainless special steel



26,90
26,90

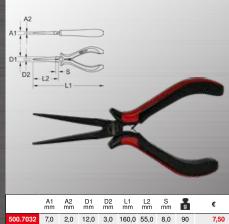
Precision long nosed pliers, curved

- •Suitable for wire
- •45° curved jaws
- •Induction-hardened precision cutting
- Self opening double spring Two component handle
- ·Black chrome
- ·Special tool steel



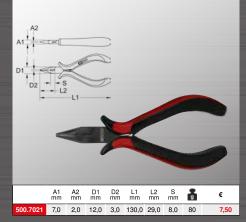
Precision telephone pliers

- ·Suitable for wire
- •Extra long jaws •Induction-hardened precision cutting
- •Self opening double spring •Two component handle
- ·Black chrome
- Special tool steel



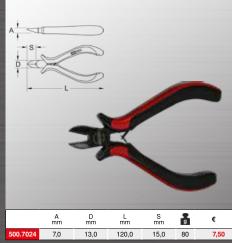
Precision telephone pliers

- Suitable for wire
- Serrated execution
- •Induction-hardened precision cutting
- •Self opening double spring •Two component handle
- ·Black chrome
- Special tool steel



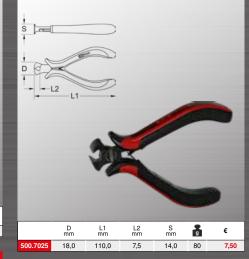
Precision diagonal side cutter

- •Suitable for wire
- Induction-hardened precision cutting
- · Self opening double spring
- Two component handle
- ·Black chrome
- ·Special tool steel



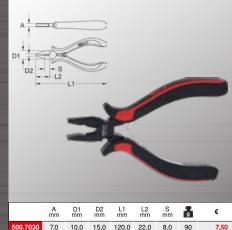
Precision cutting pliers

- Suitable for wire
- Induction-hardened precision cuttingSelf opening double spring
- Two component handle
 Black chrome
- Special tool steel



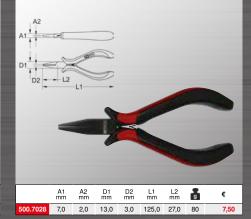
Precision combination pliers

- •Suitable for wire
- Induction-hardened precision cuttingSelf opening double spring
- Two component handle
- · Black chrome
- · Special tool steel



Precision flat pliers

- Suitable for wire
- · Induction-hardened precision cutting
- · Self opening double spring
- Two component handle
- · Black chrome
- Special tool steel





PRECISION PLIER SETS

Precision pliers set

- •Suitable for wire
- Serrated execution Induction-hardened precision cutting
- Self opening double springTwo component handle
- ·Black chrome
- ·Special tool steel



			g	€
500.70	20 5 pcs	Precision pliers set	420	37,50
1 x	~	130 mm		
1 x	*<	120 mm		
1 x	*<	110 mm		
1 x	*	120 mm		
1 x	> <	160 mm		

Precision tool set

- •Includes precision screwdrivers and tweezers
- Suitable for wire
- Serrated execution
- Induction-hardened precision cutting Self opening double spring

- Twist end cap
 Ergonomically shaped electronic screwdriver handle
- · Hardened blade
- · Chrome finish with burnished surface
- •Two component handle ·Black chrome
- ·Blades made from special steel



500.7180	10 pcs	Precis	sion tool set	400	32,50		
1 x	~	;	125 mm				
1x 🔾			100 mm				
1 x			145 mm				
3 x			PH00 - PH0 - PH1				
4 x	_	\bigcirc	1,4 - 2,0 - 2,4 - 3,0 mm				

Precision tool set

- •Includes precision screwdrivers and tweezers
- ·Suitable for wire
- •Serrated execution
- Induction-hardened precision cutting
 Self opening double spring
- •Twist end cap
- Ergonomically shaped electronic screwdriver handle
- Hardened blade
 Chrome finish with burnished surface
- Two component handle
- Black chrome
 Blades made from special steel



					kg	€
500.71	90 21 p	ocs	Precis	sion tool set	1,40	99,90
2 x	•	×		125 - 130 mm		
1 x		\prec	C	100 mm		
1 x		×		100 mm		
1 x	3	\prec		125 mm		
1 x	>	X		150 mm		
1 x				145 mm		
3 x	_		•	PH00 - PH0 - PH1		
4 x	_		\bigcirc	1,4 - 2,0 - 2,4 - 3,0 mm		
7 x	_			T6 - T7 - T8 - T9 - T10	- T15 -	T20



ESD PRECISION PLIERS

ESD long-nose pliers - straight - without cut

- · Electrostatically protect
- Suitable for wire
 Short, straight jaws
- Without cut
 Induction-hardened precision cutting
- · Self opening double spring
- Two component handle
- Special tool steel



10.0 2.0 130.0 23.0

ESD long-nose pliers - straight - with cut

- · Electrostatically protect
- Suitable for wire
 Short, straight jaws

500.7064 6,5

- Induction-hardened precision cutting

1.0

- Self opening double spring
- Two component handle Special tool steel



00.7065 6,5 1,0 10,0 2,0 130,0 23,0 62 40,90		A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g	€
	0.7065	6,5	1,0	10,0	2,0	130,0	23,0	62	40,90

ESD long-nose pliers - curved - without cut

- Electrostatically protect
- Suitable for wire
- Short, curved jaws
- Without cut
 Induction-hardened precision cutting
- Self opening double spring
 Two component handle

- · Special tool steel



ESD long-nose pliers - curved - with cut

- · Electrostatically protect
- Suitable for wire
- •Short, curved jaws
- •With cut
- · Induction-hardened precision cutting
- · Self opening double spring
- Two component handle
- Special tool steel



130.0 20.0

62

43.90

ESD long-nose pliers - curved - without cut

- · Electrostatically protect
- Suitable for wireLong, curved jaws
- •Without cut
- Induction-hardened precision cutting
- · Self opening double spring
- Two component handle
- Special tool steel



	mm	mm	mm	mm	mm	g	€
500.7070	14,0	10,0	2,0	140,0	26,0	62	48,50
500.7073	20,0	12,5	2,4	155,0	33,0	93	49,50

- · Electrostatically protect
- Suitable for wire
- Short jaws
- Without cut
- · Induction-hardened precision cutting
- · Self opening double spring
- · Two component handle
- Special tool steel



ESD long-nose pliers - straight - without cut

10.0 2.0

• Electrostatically protect

10.0

- Suitable for wire
- ·Long, straight jaws
- •Without cut
 •Induction-hardened precision cutting
- Self opening double spring
 Two component handle
- ·Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g	€
500.7068	6,5	1,0	10,0	2,0	140,0	32,0	68	43,90
500.7077	7,5	1,2	12,5	2,4	155,0	40,0	93	46,50

ESD long-nose pliers - curved - with cut

- Electrostatically protect
- · Suitable for wire
- Long, curved jaws
- •With cut
- Induction-hardened precision cutting
- •Self opening double spring •Two component handle
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g	€
00.7071	14,0	10,0	2,0	140,0	26,0	68	48,50

ESD round pliers

- Electrostatically protect
 Suitable for wire
- Short jaws
- · Without cut
- Induction-hardened precision cutting
- · Self opening double spring
- Two component handle
- · Special tool steel



ESD long-nose pliers - straight - with cut

- Electrostatically protect
- Suitable for wire Long, straight jaws
- With cut
- Induction-hardened precision cutting
- Self opening double spring
- Two component handle
- ·Special tool steel



2,4

155,0 40,0

93

ESD needle-nose pliers - straight - without cut

- · Electrostatically protect
- Suitable for wire
- · Very fine, long jaws · Without cut
- · Induction-hardened precision cutting
- · Self opening double spring
- Two component handle Special tool steel



ESD long-nose pliers - straight - without cut

- Electrostatically protect
- Suitable for wire
- · Short, straight jaws
- Ultra-fine precision tips for extremely fine work Without cut
- Induction-hardened precision cutting
- · Self opening double spring
- Two component handle Special tool steel

6,5



10,0 0,2

500.7072 7,5

1,2 12,5



ESD flat pliers

- · Electrostatically protect
- Suitable for wire
- ·Long jaws
- Without cut
- Induction-hardened precision cutting
- · Self opening double spring
- Two component handle
- Special tool steel



ESD mini side cutters

- · Electrostatically protect
- Suitable for wire
 Induction-hardened precision cutting, 61-63 HRC
- •Flexible steel: 0.8 mm/AWG 20 •Copper wire: 1.5 mm/AWG 15
- Short, pointed head with grooving
- · With subtle control
- · Self opening double spring
- Two component handle Special tool steel



ESD side cutters

- · Electrostatically protect
- Suitable for wire
 Induction-hardened precision cutting, 61-63 HRC
- Hard wire: 0.4 mm/AWG 26
 Flexible steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15
- · Oval head with wire holder With control
- Self opening double spring
 Two component handle
- · Special tool steel



ESD mini side cutters

- Electrostatically protect
- Suitable for wire
- Induction-hardened precision cutting, 61-63 HRC
 Flexible steel: 0.8 mm/AWG 20
- •Copper wire: 1.5 mm/AWG 15
- ·Small, oval head
- ·With subtle control
- Self opening double springTwo component handle
- · Special tool steel



ESD side cutters

- •Electrostatically protect
- Induction-hardened precision cutting, 61-63 HRC Hard wire: 0.4 mm/AWG 26

- •Flexible steel: 1.0 mm/AWG 18 •Copper wire: 1.5 mm/AWG 15
- Oval head
- · With control
- Self opening double spring
- Two component handle Special tool steel



ESD side cutters

- Electrostatically protect Suitable for wire
- Induction-hardened precision cutting, 61-63 HRC
 Hard wire: 0.3 mm/AWG 28
- Flexible steel: 1.0 mm/AWG 18Copper wire: 1.5 mm/AWG 15
- Pointed head
- · With control • Self opening double spring
- Two component handleSpecial tool steel

	A mm	D mm	L mm	S mm	g	€
500.7086	7,5	11,0	125,0	13,0	62	55,90

ESD mini side cutters

- · Electrostatically protect
- · Suitable for wire
- Induction-hardened precision cutting, 61-63 HRC
- •Flexible steel: 0.8 mm/AWG 20 •Copper wire: 1.5 mm/AWG 15
- Small, pointed head
- · With subtle control
- ·Self opening double spring
- Two component handle
- Special tool steel



ESD side cutters

- · Electrostatically protect
- Suitable for wire
- Induction-hardened precision cutting, 61-63 HRC
- •Flexible steel: 1.0 mm/AWG 18 •Copper wire: 1.5 mm/AWG 15
- Oval head
- With subtle control
- ·Self opening double spring
- Two component handle Special tool steel



ESD side cutters

- · Electrostatically protect
- Suitable for wire
- · Induction-hardened precision cutting, 61-63 HRC
- Flexible steel: 1.0 mm/AWG 18
 Copper wire: 1.5 mm/AWG 15
- Pointed head
- With subtle control
- · Self opening double spring
- Two component handleSpecial tool steel



ESD side cutters

- · Electrostatically protect
- Suitable for wire
 Induction-hardened precision cutting, 61-63 HRC
- •Hard wire: 0.7 mm/AWG 21 •Flexible steel: 1.0 mm/AWG 18
- •Copper wire: 1.5 mm/AWG 15
- ·Oval, sturdy head
- With control
- Self opening double spring
 Two component handle
- ·Special tool steel



ESD carbide side cutters

- · Electrostatically protect
- Suitable for wire
- Hard metal cutting edge in plier head for the highest cutting performance
- Induction-hardened precision cutting, 84-86 HRA

- · With special control only for glass fibre (e.g. Keviar)
- Self opening double spring
- •Two component handle •Special tool steel



ESD mini angled cutters

- Electrostatically protect
- Suitable for wire
 Induction-hardened precision cutting, 61-63 HRC
- Hard wire: 0.4 mm/AWG 26
 Medium wire: 1.0 mm/AWG 18
- Flexible wire: 1.2 mm/AWG 16 Straight head for working in small spacesWith subtle control
- Self opening double spring
 Two component handle
- Special tool steel



ESD side cutters

- Electrostatically protect
- Suitable for wire
- Induction-hardened precision cutting, 61-63 HRC
 Flexible steel: 1.5 mm/AWG 15
- •Copper wire: 2.0 mm/AWG 12
- · Pointed, sturdy head
- · With subtle control
- Self opening double springTwo component handle
- · Special tool steel



ESD carbide side cutters

- Electrostatically protect
- · Hard metal cutting edge in plier head for the highest cutting
- performance
 Induction-hardened precision cutting, 84-86 HRA
 Piano wire: 0.4 mm/AWG 26

- ·Hard wire: 0.8 mm/AWG 20
- Flexible wire: 1.8 mm/AWG 13
- Pointed head with grooves for working in hard to access places
 •With subtle control
- Self opening double spring
- Two component handle ·Special tool steel



7.5 11.0 125.0 10.0 62

ESD mini carbide oblique cutter

- Electrostatically protect Suitable for wire
- Induction-hardened precision cutting, 84-86 HRA
 Piano wire: 0.6 mm/AWG 22
- Hard wire: 1.0 mm/AWG 18 Flexible wire: 2.0 mm/AWG 12
- Straight head for working in small spaces
- With subtle control
- Self opening double spring
- Two component handleSpecial tool steel



	A mm	mm	mm	mm	g	€
.7095	6,5	10,0	120,0	12,0	62	147,90

ESD carbide side cutters

- · Electrostatically protect
- · Suitable for wire
- Induction-hardened precision cutting, 84-86 HRA
- Piano wire: 0.6 mm/AWG 22Hard wire: 1.0 mm/AWG 18
- Flexible wire: 2.0 mm/AWG 12
- Oval head
- · With control
- Self opening double spring
 Two component handle
- · Special tool steel



ESD end cutters

- · Electrostatically protect
- Suitable for wire
- Induction-hardened precision cutting, 61-63 HRC
- •Medium wire: 0.6 mm/AWG 22 •Flexible wire: 0.8 mm/AWG 20
- ·Slim jaws •With subtle control
- ·Self opening double spring
- Two component handle Special tool steel



ESD mini angled cutters

- · Electrostatically protect
- Suitable for wire
- · Induction-hardened precision cutting, 61-63 HRC
- Hard wire: 0.5 mm/AWG 24Medium wire: 1.2 mm/AWG 16
- Flexible wire: 1.6 mm/AWG 14Wide head with long cutters
- With subtle control
- Self opening double springTwo component handle
- Special tool steel





ESD mini side cutter

- · Electrostatically protect
- Suitable for wire
 Induction-hardened precision cutting, 61-63 HRC
- •Medium wire: 0.6 mm/AWG 22 •Flexible wire: 0.8 mm/AWG 22
- •Slim jaws with small cutting edges
 •With subtle control
- · Self opening double spring
- Two component handle
- Special tool steel



ESD side cutter

• Electrostatically protect • Suitable for wire

10,0

- Induction-hardened precision cutting, 61-63 HRC
 Hard wire: 0.5 mm/AWG 24

- •Medium wire: 1.2 mm/AWG 16 •Flexible wire: 1.6 mm/AWG 14
- ·Wide head with long cutters · With subtle control
- •Self opening double spring
- Two component handle
- Special tool steel



ESD wire strippers

- · Electrostatically protect
- With internal brass adjusting screw
 Suitable for PVC, Teflon etc.
- •Induction-hardened precision cutting •Medium wire: 0,8 mm/AWG 20
- Self opening double springTwo component handle
- ·Special tool steel



ESD PRECISION PLIER SETS

ESD pliers service map

- · Electrostatically protect
- Suitable for wire
 Induction-hardened precision cutting
- Self opening double spring
- Two component handle



					g	·
50	0.7019	6 pcs	ESD	pliers service map	620	352,50
	1 x	1		140 mm		
	1 x	1		140 mm		
	1 x	1		130mm		
	1 x	1		120 mm		
	1 x	1		125 mm		
	1 x	1	10	120 mm		



SOLDERING TIN SUCTION PUMP

Desoldering pump

•double seal Dirt-repellent



GAS SOLDERING EQUIPMENT

Mini pocket soldering torch

- •Gas operated micro soldering device up to 1,300°C / 2,450°F
- With piezo ignitionOptimal for light soldering
- Filled with standard lighter gas / ISO butan gas
- Compact construction
- · With safety lock



Small soldering torch

70,0

•Gas operated micro soldering device up to 1,300°C / 2,450°F

115,0

130

- With piezo ignition
- Optimal for fine soldering Filled with standard lighter gas / ISO butan gas
- With table stand



	Length mm	Height mm	g	€
.1200	110,0	140,0	350	38,50

Small soldering torch with flame reflector

- •Gas operated micro soldering device up to 1,300°C / 2,450°F
- With piezo ignition
- Optimal for fine soldering · With shrink mirror/flame reflector
- Filled with standard lighter gas / ISO butan gas
- · With table stand

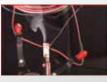


	Length mm	Height mm	g	€
60.1210	110,0	135,0	350	59,90



Micro soldering terminal set

- •Gas operated micro soldering device up to 1,300°C / 2,450°F
- •With piezo ignition
 •Perfect for fine working
- Gas supply totally adjustable
 Filled with standard lighter gas / ISO butan gas
- Includes different attachments soldering wire and soldering sponge
 • In durable plastic case





			g	€
960.1160	11 pcs	Micro soldering terminal set	370	29,90

g

80

9

3

3

12

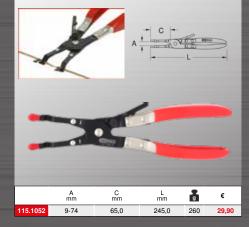
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14

Soldering wire pliers

- For the safe fixing of braded wire
- Prevents kinking of the solder connection
 The locking device of the pliers means that these can be stored so that both hands are free for soldering
- No more burning fingers
- · Slim design for hard-to-access areas
- Adjustable arm for optimal applicationWith self opening internal spring
- Includes locking mechanismWith PVC dipped handle







Micro soldering terminal set

- •Gas operated micro soldering device up to 1,300 $^{\circ}\text{C}$ / 2,450 $^{\circ}\text{F}$ without piezo ignition
- can be started with an external ignition source (e.g. with a lighter or mini pocket soldering device)
- Perfect for fine working
 Gas supply totally adjustable
- •Filled with standard lighter gas / ISO butan gas
 •Includes different attachments soldering wire and soldering sponge
 •In durable plastic case





			g	€
960.1265	8 pcs	Micro soldering terminal set	210	19,90

		g	
960.1163	Soldering tip 3.5mm, chisel	3	
960.1164	Soldering tip 4.5mm, diagonal	3	
960.1165	Soldering tip knife	3	
960.1167	Soldering sponge, round	12	
960.1168	Solder wire coil, 95mm	25	
960.1266	Soldering iron without Piezo ignition	50	
960.1267	Soldering head,screwed-in soldering tips	12	
960.1268	Soldering tip	3	

PRECISION MECHANICS ACCESSORIES

Soldering iron with Piezo ignition

Soldering tip 3.5mm, chisel

Soldering sponge, round

Protective cap for 960.1160

Housing for additional adaptors, for 960.1160

Solder wire coil, 95mm

Soldering tip knife 960.1166 Flame adaptor

Soldering tip 4.5mm, diagonal

Soldering head,screwed-in soldering tips

- •removes stuck components from printed circuit boards
- Two component handle
- through hardened blade
 Matt finish

960.1162

960.1163

960.1164

960.1165

960.1167

960.1168

960.1169

960.1268 Soldering tip

Chrome molybdenum





Your Local Distributor:



KS Tools Werkzeuge - Maschinen GmbH

Seligenstädter Grund 10 - 12 D-63150 Heusenstamm

GERMANY

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