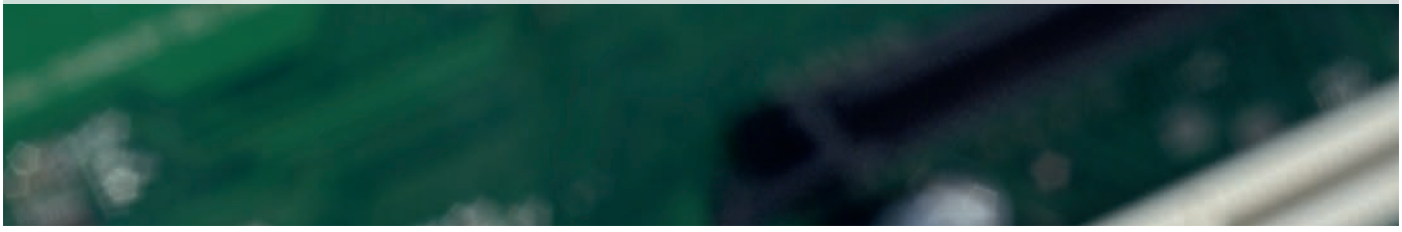
TWEEZERS & ELECTRONICS PLIERS



Tweezers and Electronics Pliers from KNIPEX

KNIPEX: the name synonymous with ever better pliers – this is the guiding principle to which we dedicate all our expertise and creativity. We continuously develop new pliers or related tools such as tweezers. We are also constantly optimising the existing models to make them easier and more reliable to work with. How does that work? We examine innovative options for the transmission of force, improve ergonomics and design, combine several functions in a single tool and develop imaginative problem solvers for new applications. After all, professional users must always be able to rely on their tools. Quality tools are essential, whether you're working on tiny components on a circuit board or flush cutting large cable ties holding a wire harness together. That is why our tweezers and electronics pliers meet the highest quality standards in every detail. From the handles and blades to the steel and manufacturing process, our full range offers the highest reliability and performance on the market.

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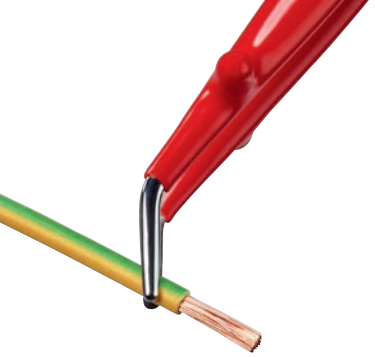
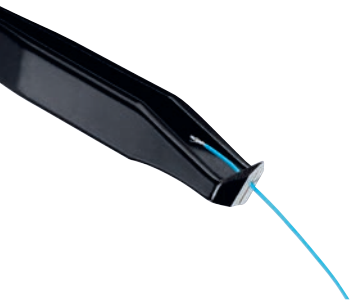


Precision Tweezers from KNIPEX

The KNIPEX range includes a large number of precision tweezer models for industry, laboratories, watch manufacturers, jewellers, electronics and microelectronics. There are different tweezers with different tip designs, gripping surfaces, handles and materials for practically every area of application. We are certain that the right hand tool for your needs is also included!

Different types and areas of application for KNIPEX tweezers

KNIPEX tweezers are basically used in all common areas where the targeted gripping of smaller parts is key. Depending on what you want to grip and work on with the tweezers, different types of tweezers may be suitable. That's why KNIPEX offers more than a dozen categories, each with several tip shapes, such as blunt, pointed or needle-pointed, as well as an extensive selection of materials from premium stainless steel, stainless steel and steel to titanium or plastic. Plastic tweezers in particular have amazing properties, are always antimagnetic, are available in electrically insulating or ESD variants, which gently dissipate electricity to prevent damage to electronic components.



Tweezers for specialist uses

There are also some very special models, for example the Cutting Tweezers for precise cutting of even the finest wires. Cross Jaw Tweezers also occupy a special position. Thanks to their spring force, these tweezers are suitable, among other things, as an aid when soldering small and very small components or for applications that require a high-precision self-closing function, for example in microscopy.

Available individually or as sets

KNIPEX tweezers are available individually or in sets that are carefully put together for specific professional groups: Precision Tweezers, ESD Universal Tweezers, SMD Tweezers, Plastic and Insulated Tweezers. Each set contains a selection of variants in a high-quality roll-up bag for safe transport and damage-free storage. This variety means you can always select exactly the tweezers that are best suited for the work at hand, whether for gripping small and very small parts when repairing watches, or individual strands of wire when working on electronic components.

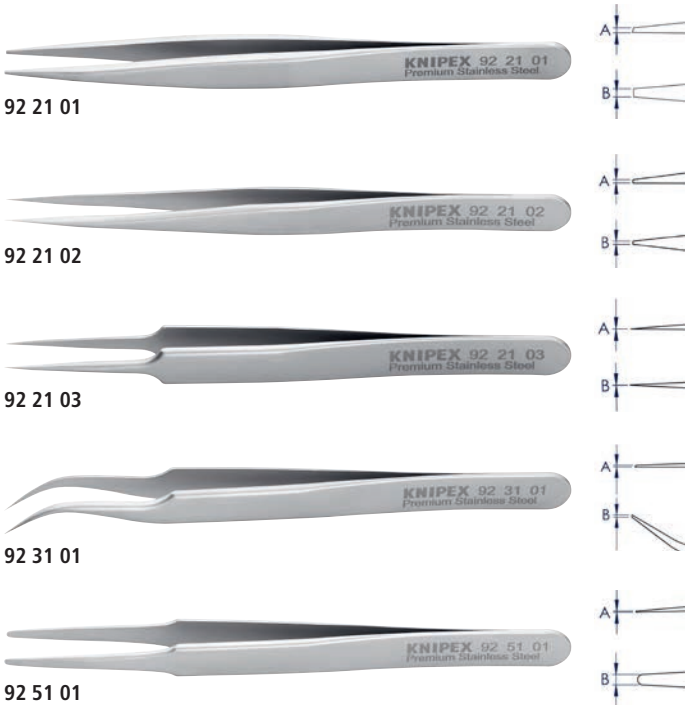
Tweezers

You'll find a greater overview on knipex.com:
find the best tweezers for your needs!

Precision Tweezers

resistant to many chemicals

> For particularly demanding precision work: tough and highly resistant to corrosion
> Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
> For the electronics industry, watchmakers, jewellers, laboratories with biological and medical applications in moderately aggressive chemical environments
> High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> Ideally suited for microscopic work, precision handling, repairs, manufacturing electronic components, as well as other general applications; tips are guaranteed to have perfect symmetry and balance
> Also available as a set (92 00 02)
> Premium stainless steel

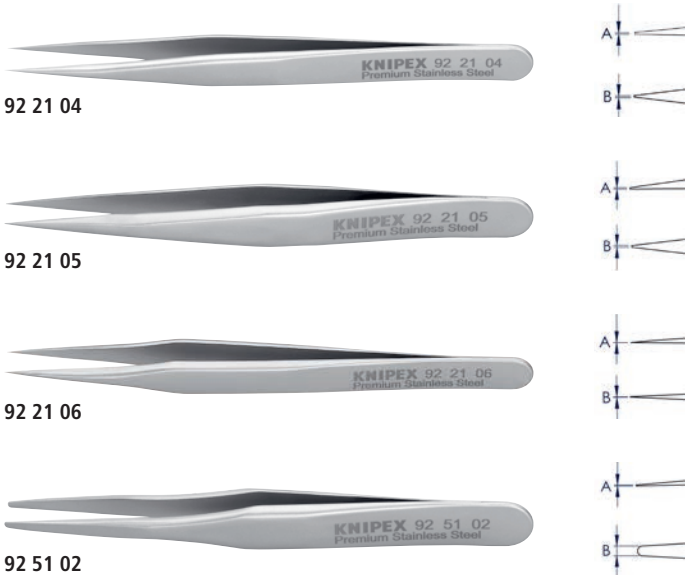


Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 21 01	00.SA.0.KN	085041	120 x 10 x 13		smooth	straight	point	0.5 x 0.9	21
92 21 02	3C.SA.0.KN	085065	110 x 9,5 x 11		smooth	straight	needle point	0.12 x 0.18	12
92 21 03	5.SA.0.KN	085089	110 x 10 x 11		smooth	straight	needle point	0.06 x 0.12	13
92 31 01	7.SA.0.KN	085027	120 x 10 x 11		smooth	angled 45°	needle point	0.09 x 0.16	14
92 51 01	2A.SA.0.KN	085126	120 x 10 x 11		smooth	straight	blunt	0.13 x 1.9	15

Mini Precision Tweezers

for precision work in confined spaces

> For particularly demanding precision work: tough and highly resistant to corrosion
> Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
> For the electronics industry, watchmakers, jewellers, laboratories with biological and medical applications in moderately aggressive chemical environments
> High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> Extra short and lightweight tweezers with narrow tips
> Ideal for working in confined spaces, under the microscope and for precision close work
> Ideal for sample handling, microscopy preparation, sorting, precision manufacturing, electronic assembly, rework and repair
> Premium stainless steel



Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 21 04	0C9.SA.0.KN	087526	90 x 8 x 10		smooth	straight	needle point	0.09 x 0.15	9
92 21 05	M3.SA.1.KN	086703	70 x 7 x 7,5		smooth	straight	needle point	0.1 x 0.2	6
92 21 06	M5.SA.1.KN	086710	80 x 6 x 7,5		smooth	straight	needle point	0.08 x 0.13	7
92 51 02	M2A.SA.1.KN	086697	70 x 8 x 6,5		smooth	straight	blunt	0.1 x 1.2	6

Tweezers with exchangeable tips ESD

with versatile, exchangeable carbon fibre reinforced tips; electrically dissipative

> For particularly demanding precision work: tough and highly resistant to corrosion
> Maximum surface protection when handling sensitive electronic components, micro-mechanical parts, as well as glass and ceramic components
> For the electronics and precision engineering industries, watchmakers and jewellers
> Handcrafted body: polished edges and an excellent matt, scratch-free and non-reflective surface
> High-quality premium stainless steel body: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> The interchangeable tips are made from 30% carbon fibre reinforced plastic: very good electrical and thermal conductivity, scratch-proof and with high abrasion resistance
> The interchangeable, carbon fibre reinforced plastic tips have a surface resistance between 10^2 and 10^4 ohms to compensate in a controlled manner the differences in potential between the operator and electronic components
> The interchangeable tips are permanently temperature stable up to 130 °C, and up to 190 °C for short periods
> The carbon fibre reinforced plastic tips are extremely flexible, fatigue-resistant, vibration-dampening and water-repellent
> The tips have good chemical resistance to most oils, lubricants, fuels and nonpolar solvents
> The same accuracy and stability as regular tweezers: the plastic tips have a 3-point connection with zero-backlash (2 fixed points on the arms, one screw), which guarantee the user perfect attachment to the body with zero-backlash
> Premium stainless steel

92 81 01

92 81 02

92 81 03

92 81 04

92 81 05

Interchangeable ESD tips

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	⚖ g
92 81 01	2ACFR.SA.1.KN	087090	130 x 10 x 17		smooth	straight	blunt	0.4 x 2.0	17
92 81 02	5CFR.SA.1.KN	087113	130 x 10 x 17		smooth	straight	point	0.4 x 0.6	17
92 81 03	7CFR.SA.1.KN	087137	130 x 15 x 17		smooth	angled 60°	point	0.4 x 0.7	17
92 81 04	249CFR.SA.1.KN	087151	130 x 10 x 17		smooth	straight	blunt	1.0 x 2.0	17
92 81 05	259CFR.SA.1.KN	087175	130 x 10 x 17		smooth	straight	point	0.7 x 0.6	17
92 89 01	A2ACF.KN	087106	40 x 8 x 3,5	Interchangeable ESD tips, for 92 81 01					1
92 89 02	A5CF.KN	087120	40 x 8 x 3,5	Interchangeable ESD tips, for 92 81 02					1
92 89 03	A7CF.KN	087144	40 x 15 x 3,5	Interchangeable ESD tips, for 92 81 03					1
92 89 04	A249CF.KN	087168	40 x 8 x 4	Interchangeable ESD tips, for 92 81 04					1
92 89 05	A259CF.KN	087182	40 x 8 x 3,5	Interchangeable ESD tips, for 92 81 05					1

Cutting Tweezers

hard and sharp for finest cutting work

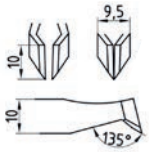
> For particularly demanding precision work: made from high-quality, martensitic hardened steel, tough and highly resistant to corrosion
> Stainless steel with a slim, tapered design for maximum precision when cutting, dissecting and segmenting extremely small objects in tight spaces
> For the electronics industry, as well as repairs and handicrafts
> Mainly used for cutting soft copper, gold or silver wires, as well as magnetic wires
> With extremely hard and sharp oblique cutting nippers
> Also available as an ESD-version: with black epoxy resin coating and a surface resistance between 10^3 and 10^9 ohms
> ESD version only: this allows to compansate in a controlled manner the differences in potential between the operator and electronic components

92 11 01
> Stainless steel

92 11 01 ESD
> Stainless steel, DIN EN 61340 -5-1

92 11 01

92 11 01 ESD



Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 11 01	15AGW.S.0.KN	085003	115 x 11 x 15		smooth	angled	cutting edges	4.75 x 10.0	25
92 11 01 ESD	15AGW.S.N.0.KN	086727	115 x 11 x 17	⚠	smooth	angled	cutting edges	4.75 x 10.0	26

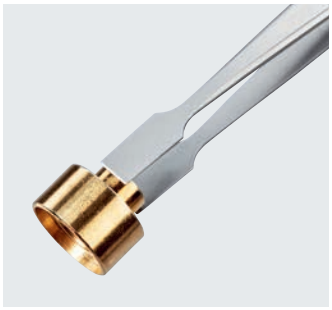
Universal Tweezers

Ideal for demanding standard applications

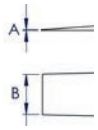
> Universal Tweezers are suitable for demanding standard applications and precision tasks
> Wide range of designs: straight, angled, gripping surfaces and handles smooth or serrated, with needle points, narrow or blunt tips, as well as different lengths
> For the electronics industry, watchmakers and jewellers
> High quality stainless steel: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Stainless steel

92 01 05, 92 01 06
> Premium stainless steel

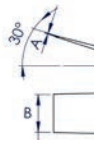
92 34 37
> Steel, black lacquered



92 01 05



92 01 06



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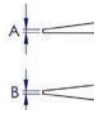

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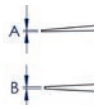

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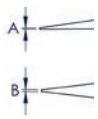

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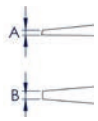
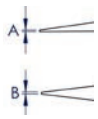


92 22 07



92 22 12

92 22 13

92 22 35

92 32 29

92 34 36

92 34 37

92 61 01

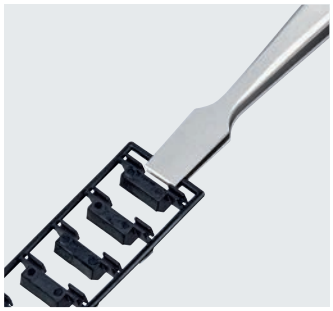
92 61 02

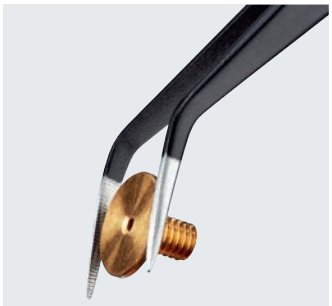
92 64 43

92 72 45

92 84 18

92 52 23



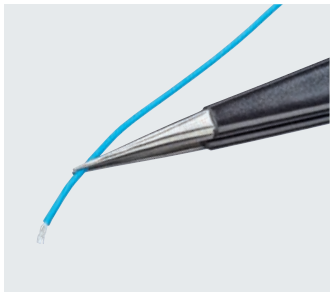


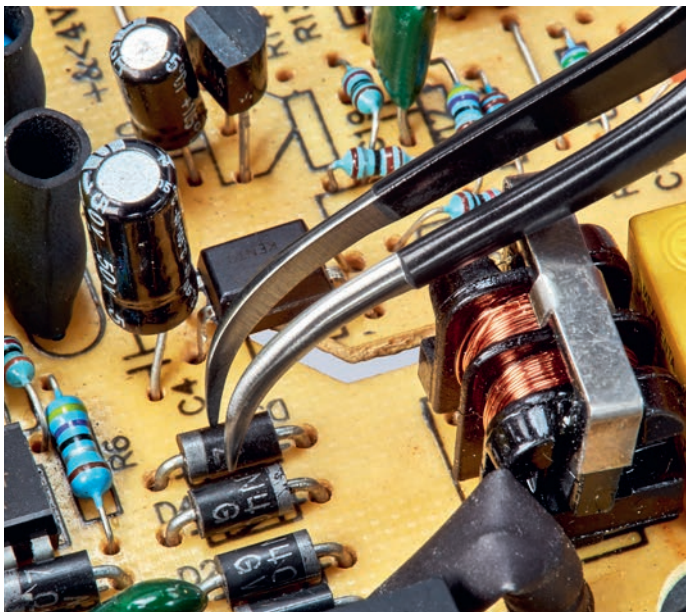
Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	⚖ g
92 01 05	34A.SA.1.KN	086758	120 x 10 x 12		grooved	straight	blunt	0.17 x 6.0	15
92 01 06	36A.SA.1.KN	086765	120 x 10 x 18		grooved	angled 30°	blunt	0.17 x 6.0	15
92 21 07	3C.SA.B.KN	086734	110 x 10 x 10		smooth	straight	needle point	0.2 x 0.25	13
92 21 08	SS.SA.B.KN	086741	140 x 8 x 12		smooth	straight	needle point	0.2 x 0.3	15
92 22 04	AA.SA.B.KN	054665	128 x 12 x 10		smooth	straight	point	0.3 x 0.5	18
92 22 06	00.SA.B.KN	054672	120 x 10 x 11		smooth	straight	needle point	0.25 x 0.25	20
92 22 07	3.SA.B.KN	054689	125 x 11 x 10		smooth	straight	needle point	0.2 x 0.25	15
92 22 12	5.SA.B.KN	054696	110 x 10 x 11		smooth	straight	needle point	0.2 x 0.2	13
92 22 13	GG.SA.B.KN	054702	130 x 11 x 14		smooth	straight	point	0.4 x 0.5	18
92 22 35	648.SA.B.KN	054719	155 x 8 x 18		grooved	straight	point	0.5 x 0.5	25
92 32 29	7.SA.B.KN	054818	118 x 10 x 10		smooth	angled 35°	needle point	0.25 x 0.3	15
92 34 36	649.SA.B.KN	054832	152 x 8 x 18		grooved	angled 25°	point	0.5 x 0.5	27
92 34 37	649.SA.NE.B.KN	054849	155 x 8 x 14		grooved	angled 25°	point	0.8 x 0.8	21
92 52 23	2A.SA.B.KN	054894	118 x 10 x 10		smooth	straight	blunt	0.3 x 2.0	16
92 61 01	7320.SA.B.KN	085119	200 x 12 x 20		grooved	straight	blunt	2.0 x 3.2	58
92 61 02	7330.SA.B.KN	085133	300 x 15 x 22		grooved	straight	blunt	2.5 x 4.7	114
92 64 43	7312.SA.B.KN	054917	120 x 10 x 14		grooved	straight	blunt	1.2 x 2.7	17
92 72 45	7314.SA.B.KN	054962	145 x 11 x 15		grooved	straight	blunt	1.3 x 2.7	23
92 84 18	AAPPST.SA.B.KN	054986	126 x 11 x 18		smooth	straight	blunt	0.5 x 1.0	18

Universal Tweezers ESD

DIN EN 61340 -5-1, electrically dissipative, for electronics and fine mechanics

> Electrically dissipative coating: Universal tweezers in the ESD version equalize differences in electrical potential between their user and the workpieces in a controlled manner
> ESD-tested, black epoxy resin coating with a surface resistance between 10^3 and 10^9 ohms
> For the electronics and precision engineering industries
> Antimagnetic to avoid electromagnetic damage
> Wide range of designs: straight, angled, gripping surfaces and handles smooth or serrated, with needle points, narrow or blunt tips
> The high quality stainless steel ensures extreme toughness and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Also available as a set (92 00 01 ESD)
> Stainless steel





92 21 01 ESD

92 21 02 ESD

92 21 03 ESD

92 28 69 ESD

92 28 70 ESD

92 28 71 ESD

92 28 72 ESD

92 38 75 ESD

92 58 74 ESD

92 78 77 ESD

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 21 01 ESD	3.SA.NE.B.KN	086772	125 x 11 x 12		smooth	straight	needle point	0.2 x 0.25	15
92 21 02 ESD	AA.SA.NE.B.KN	086789	128 x 12 x 12		smooth	straight	point	0.3 x 0.5	19
92 21 03 ESD	SS.SA.NE.B.KN	086796	140 x 8 x 14		smooth	straight	needle point	0.2 x 0.3	16
92 28 69 ESD	00.SA.NE.B.KN	054771	120 x 10 x 13		smooth	straight	needle point	0.25 x 0.25	20
92 28 70 ESD	3C.SA.NE.B.KN	054788	110 x 10 x 12		smooth	straight	needle point	0.2 x 0.25	14
92 28 71 ESD	GG.SA.NE.B.KN	054795	110 x 10 x 12		smooth	straight	needle point	0.2 x 0.2	14
92 28 72 ESD	5.SA.NE.B.KN	054801	130 x 11 x 14		smooth	straight	point	0.4 x 0.5	18
92 38 75 ESD	7.SA.NE.B.KN	054863	118 x 10 x 12		smooth	angled 35°	needle point	0.25 x 0.3	15
92 58 74 ESD	2A.SA.NE.B.KN	054900	118 x 10 x 12		smooth	straight	blunt	0.3 x 2.0	16
92 78 77 ESD	7314.SA.NE.B.KN	054979	145 x 11 x 17		grooved	straight	blunt	1.3 x 2.7	24

Precision Tweezers with rubber handles ESD

DIN EN 61340 -5-1, for frequent handling of ESD-sensitive components or small static objects

> Electrically dissipative coating: Universal tweezers in the ESD version equalize differences in electrical potential between their user and the workpieces in a controlled manner
> Maximum comfort for frequent use
> Handles suitable for use in clean rooms and controlled environments
> For medical technology, electronics, microscopy, industry
> For particularly demanding precision work: tough and highly resistant to corrosion
> Antimagnetic to avoid electromagnetic damage
> ESD-tested, soft, and ergonomic handle sleeves with a surface resistance between 10^3 and 10^9 ohms
> Extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials

92 21 10 ESD

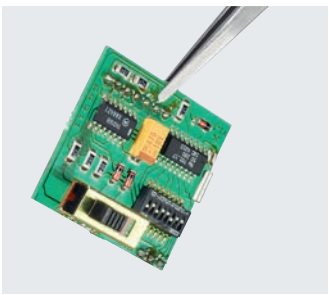
92 21 11 ESD

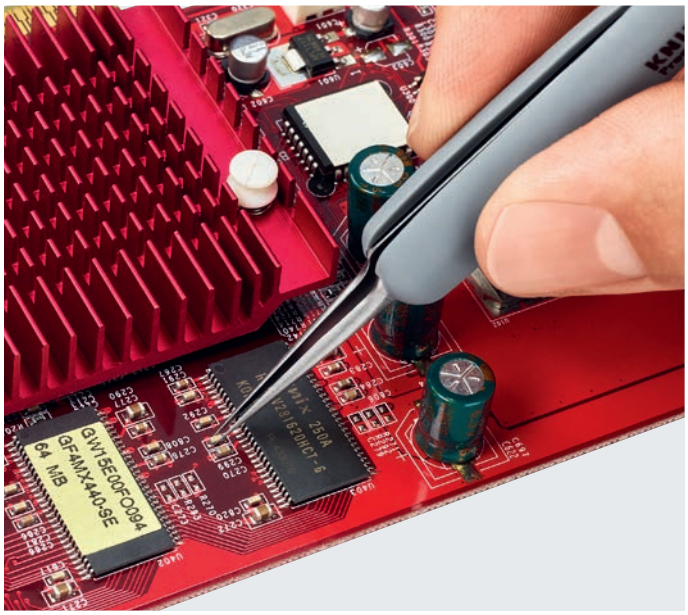
92 21 12 ESD

92 21 13 ESD

92 21 14 ESD

92 31 10 ESD



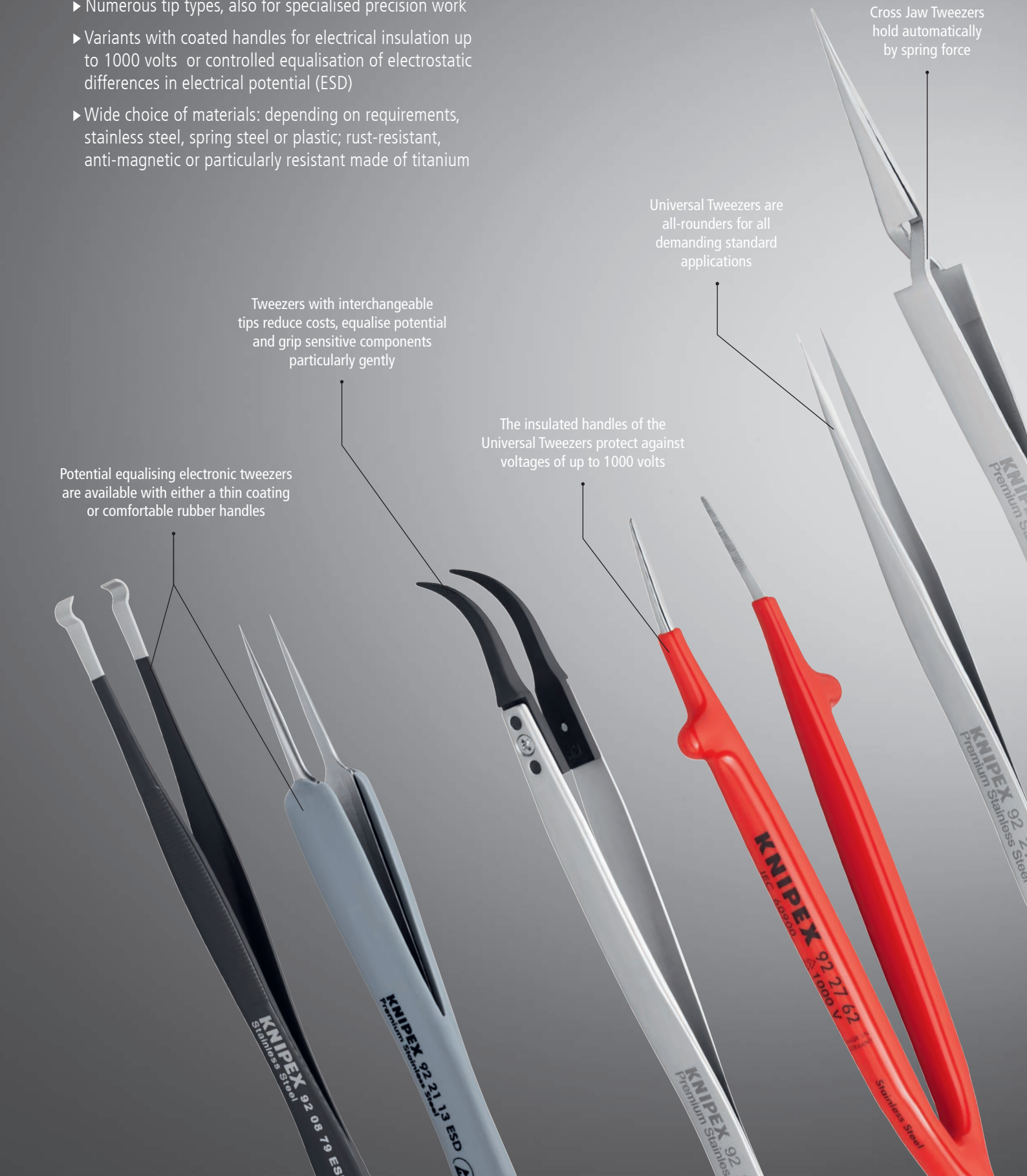


Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 21 10 ESD	00.SA.DRG.KN	088608	123 x 15 x 18		smooth	straight	point	0.5 x 0.9	30
92 21 11 ESD	2A.SA.DRG.KN	088615	123 x 15 x 16		smooth	straight	blunt	0.13 x 0.9	22
92 21 12 ESD	3C.SA.DRG.KN	088622	112 x 14 x 15		smooth	straight	needle point	0.12 x 0.18	19
92 21 13 ESD	5.SA.DRG.KN	088639	112 x 15 x 16		smooth	straight	needle point	0.06 x 0.12	20
92 21 14 ESD	AA.SA.DRG.6.KN	088653	130 x 15 x 16		smooth	straight	point	0.5 x 0.5	20
92 31 10 ESD	7.SA.DRG.KN	088646	122 x 15 x 15		smooth	angled 45°	needle point	0.09 x 0.16	22

KNIPEX Precision Tweezers – the perfect specialists for all precision work

Precision Tweezers can be used in all areas where the targeted gripping of smaller parts is key.

- Numerous tip types, also for specialised precision work
- Variants with coated handles for electrical insulation up to 1000 volts or controlled equalisation of electrostatic differences in electrical potential (ESD)
- Wide choice of materials: depending on requirements, stainless steel, spring steel or plastic; rust-resistant, anti-magnetic or particularly resistant made of titanium



SMD Precision Tweezers

optimised for electronics work with SMD components

> When working on SMD components (SMD = surface mounted device): the fine geometry of the SMD tweezers also allows work to be carried out on electronic components that can be soldered directly onto the circuit board using solderable connecting surfaces
> Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
> For assembly work, laboratory processes, clean room environments, circuit board repairs and reworking in the electronics industry
> High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> Antimagnetic to avoid electromagnetic damage
> The variety of designs and jaw types enables small components to be held, positioned and controlled securely in confined spaces
> Also available as a set (92 00 03)
> Premium stainless steel

92 01 01

92 01 02

92 01 03

92 01 04

92 02 54

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 01 01	SM103.SA.1.KN	085522	115 x 10 x 11		smooth	angled 45°	positioned	0.33 x 1.6	15
92 01 02	SM107.SA.1.KN	085539	120 x 10 x 11		smooth	double-angled 35°	positioned	0.15 x 1.5	15
92 01 03	SM108.SA.1.KN	085546	120 x 10 x 11		smooth	straight	positioned	0.3 x 1.5	15
92 01 04	SM111.SA.1.KN	085591	115 x 10 x 11		smooth	angled 45°	positioned	0.5 x 1.5	15
92 02 54	SM115.SA.1.KN	054610	115 x 10 x 11		smooth	angled 30°	positioned	0.6 x 0.9	14

SMD Precision Tweezers ESD

DIN EN 61340 -5-1

> Allow to compansate in a controlled manner the differences in potential between the operator and electronic components
> With a tested black epoxy resin coating with a surface resistance between 10^3 and 10^9 ohms
> Stainless steel

92 08 78 ESD

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 08 78 ESD	SM109.SA.NE.B.KN	085515	118 x 10 x 12		smooth	angled 45°	positioned	0.5 x 2.5	15

SMD-Technology: technique for soldering surface mounted components on printed circuit boards without using holes

Positioning Tweezers

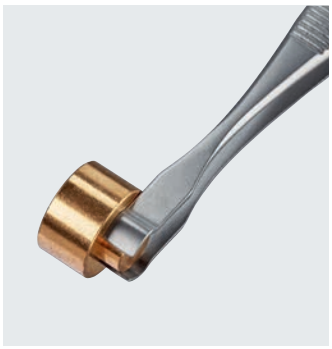
for exact positioning or pulling of small components

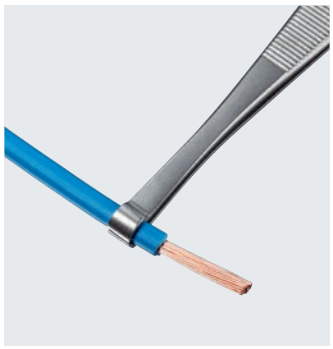
> Makes it easy to hold, insert and pull even the smallest elongated components
> With gripping surfaces in dimensionally adapted designs, for example for firmly and securely positioning or pulling sensitive rounded or cuboid components
> For through-hole technology (THT) and pin-in-hole technology (PIH)
> Antimagnetic to avoid electromagnetic damage
> Stainless steel

92 01 07

92 11 02

92 11 03





Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 01 07	5574.SA.B.KN	086932	143 x 11 x 17		grooved	straight	positioned	3.5 x 5.8	22
92 11 02	5572.SA.B.KN	085034	145 x 11 x 16.5		grooved	straight	positioned	2.8 x 5.5	24
92 11 03	572.SA.B.KN	085553	122 x 10 x 14.5		grooved	straight	positioned	2.5 x 4.0	14

Positioning Tweezers ESD

DIN EN 61340 -5-1

> Allow to compansate in a controlled manner the differences in potential between the operator and electronic components
> With a tested black epoxy resin coating with a surface resistance between 10^3 and 10^9 ohms
> Stainless steel

92 08 79 ESD

92 16 01 ESD

92 16 02 ESD

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	g
92 08 79 ESD	572.SA.NE.B.KN	085584	122 x 10 x 14.5		grooved	straight	positioned	2.5 x 4.0	15
92 16 01 ESD	578B.SA.NE.B.KN	086949	120 x 10 x 14		smooth	angled 35°	positioned	1.5 x 3.8	15
92 16 02 ESD	572B.SA.NE.B.KN	086956	120 x 10 x 14.5		smooth	angled 35°	positioned	2.5 x 4.0	15

Titanium Tweezers

extremely light, heat-, corrosion- and acid-resistant

> Particularly suitable for precision tasks that require corrosion resistance, high strength and low weight
> The high-quality titanium alloy offers high temperature resistance and very good resistance to corrosion in air, sea and a variety of industrial environments at room temperature
> For cleaning or chemical processes, use at high temperatures and in biology, medicine or surgery
> 100 percent anti-magnetic
> Antibacterial
> Titanium

92 23 01

92 23 05

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	⚖ g
92 23 01	5.TA.0	085010	110 x 10 x 11		smooth	straight	needle point	0.6 x 0.8	9
92 23 05	3.TA.0	054726	120 x 10 x 11		smooth	straight	point	0.6 x 0.8	10

Precision Cross Jaw Tweezers

hold automatically due to their spring force, for filigree work

> Hold automatically: Their spring force makes these holding tweezers perfect for soldering small and very small components, among other uses
> For applications that require a high-precision self-closing function, for example in microscopy or for precision assembly or soldering tasks
> For soldering work on transistors, gold wire diodes, etc.
> Suitable for a wide variety of applications in the electronics industry thanks to perfectly symmetrical tips and excellent balance
> Handcrafted, with an excellent matt, scratch-free and non-reflective surface
> Precision cross jaw tweezers for particularly challenging applications when corrosion resistance and toughness are the main requirements
> The high-quality premium stainless steel versions offer high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> Premium stainless steel

92 91 01

92 91 02

92 91 03

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	⚖ g
92 91 01	2AX.SA.1.KN	086802	120 x 10 x 11		smooth	straight	blunt	0.13 x 1.9	13
92 91 02	3X.SA.1.KN	086819	120 x 10 x 11		smooth	straight	needle point	0.12 x 0.2	12
92 91 03	7X.SA.1.KN	086826	115 x 10 x 11		smooth	angled 45°	needle point	0.22 x 0.25	13

Universal cross jaw tweezers

hold automatically due to their spring force, ideal helpers for soldering

> Hold automatically: Their spring force makes these holding tweezers perfect for soldering small and very small components, among other uses
> For applications that require a high-precision self-closing function, for example in microscopy or for precision assembly or soldering tasks
> For soldering work on transistors, gold wire diodes, etc.
> Suitable for a wide variety of applications in the electronics industry thanks to perfectly symmetrical tips and excellent balance
> The high quality stainless steel ensures extreme toughness and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Stainless steel

92 94 91

92 95 89

92 95 90

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	⚖ g
92 94 91	5518.SA.B.KN	055006	160 x 11,5 x 13		grooved	straight	blunt	1.3 x 4.5	34
92 95 89	29.SA.B.KN	055013	165 x 11 x 20		smooth	straight	blunt	0.8 x 1.0	33
92 95 90	30.SA.B.KN	055020	162 x 11 x 20		smooth	angled 40°	blunt	0.8 x 1.0	32

Plastic Tweezers ESD

DIN EN 61340 -5-1, extremely light and robust, electrically dissipative

> ESD tweezers are made of 30% carbon fibre reinforced plastic, are electrically and thermally highly conductive and are characterised by high resistance to abrasion and scratching
> With a surface resistance between 10^2 and 10^4 ohms to compensate in a controlled manner the differences in potential between the operator and the electronic components
> Temperature stable up to 130°C, brief exposures of up to 190°C are possible
> The carbon fibre-reinforced plastic is extremely flexible, fatigue-resistant, vibration-reducing and water-repellent, with good chemical resistance to most oils, greases, fuels and nonpolar solvents
> Ideal for maximum surface protection when handling sensitive electronic components, micro-mechanical parts, as well as glass and ceramic components
> Also available as a set (92 00 05 ESD)
> Carbon fibre-reinforced plastic

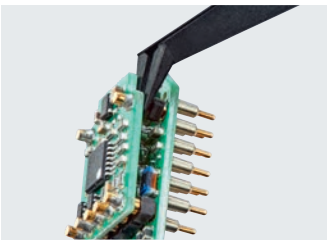
92 09 01 ESD

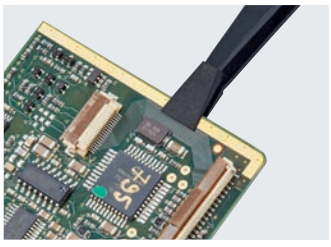
92 09 02 ESD

92 09 03 ESD

92 09 04 ESD

92 09 05 ESD





Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B x C x D mm	⚖ g
92 09 01 ESD	702A.CF.KN	086970	115 x 9.5 x 13		smooth	straight	blunt	0.35 x 2.0	4
92 09 02 ESD	707.CF.KN	086987	115 x 11.5 x 15		smooth	straight	needle point	0.5 x 0.3 x 9.5	5
92 09 03 ESD	708.CF.KN	086994	110 x 11.5 x 15		smooth	angled 45°	point	0.5 x 0.4 x 5.8 x 8.5	5
92 09 04 ESD	709.CF.KN	087007	115 x 11.5 x 15		smooth	straight	blunt	0.12 x 3.3 x 11.5	4
92 09 05 ESD	710.CF.KN	087014	115 x 11.5 x 15		smooth	straight	blunt	0.12 x 7.7 x 11.3	4

Plastic Tweezers

extremely light and robust

> Plastic disposable tweezers for the chemicals, pharmaceuticals or cosmetics sector, food industry and scientific use; ideal for gripping, holding and moving small objects, such as fine tissues, small items or solid samples
> Made of 30% glass fiber reinforced plastic for high strength and flexibility
> Plastic disposable tweezers are characterised by their high temperature resistance and excellent chemical resistance
> The grooved handles ensure optimum safe handling and precision; with internally serrated tips and a particularly wide clamping area
> Glass fibre reinforced plastic

92 69 84

Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	5	Tips width A x B mm	⚖ g
92 69 84	926984.HI.KN	054948	129 x 13 x 33		grooved	straight	blunt	2.0 x 3.0	5

Universal Tweezers, insulated

DIN EN 60900, IEC 60900, tested protection against electrical voltage up to 1000 V

> With insulated handles for working on electrical installations: safety up to 1000 V
> For a wide range of requirements and applications in the electronics industry
> The insulation is REACH-compliant and free from phthalates that are harmful to health
> High quality stainless steel: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Also available as a set (92 00 04)
> Stainless steel

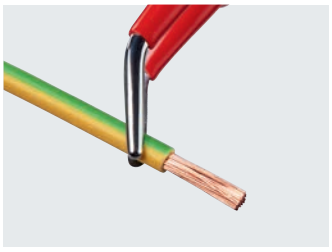
92 27 61

92 27 62

92 37 64

92 47 01

92 67 63



Art. No.	International Code	EAN 4003773-	L x W x H mm	Gripping surface	Handles	Version	Type of tweezers tip	Tips width A x B mm	⚖ g
92 27 61	54069IK.SA.B.00	054757	125 x 11 x 35	1000 V	smooth	straight	point	0.5 x 0.5	19
92 27 62	55015IK.SA.B.00	054764	150 x 8 x 40	1000 V	smooth	straight	point	1.0 x 1.3	23
92 37 64	55015IBK.SA.B.00	054856	148 x 14 x 40	1000 V	smooth	angled 30°	blunt	1.0 x 1.3	24
92 47 01	73014BK.SA.B.00	086963	142 x 16 x 38	1000 V	smooth	angled 30°	blunt	1.3 x 3.0	43
92 67 63	73014K.SA.B.00	054931	145 x 11 x 38	1000 V	smooth	straight	blunt	1.3 x 3.0	43

Stripping Tweezers for coated wire

> Remove insulating coatings from wires, especially for industrial use
> For the electronics industry, as well as repairs and handicrafts
> Also available: four spare blades for different diameters
> Tweezers body: spring steel, oil-hardened
> Handle shells: plastic

15 11 120

15 19 005

15 19 006

15 19 008

15 19 010

Art. No.	International Code	EAN 4003773-	↔ mm	Stripping values Ø mm	⚖ g
15 11 120	**253040.C.BI.8**	015550	120	0.6	34
15 19 005	**253040-P05**	021551	1 pair of spare blades for 15 11 120. Ø 0.5 mm		
15 19 006	**253040-P06**	021568	1 pair of spare blades for 15 11 120. Ø 0.6 mm		
15 19 008	**253040-P08**	021575	1 pair of spare blades for 15 11 120. Ø 0.8 mm		
15 19 010	**253040-P10**	021582	1 pair of spare blades for 15 11 120. Ø 1.0 mm		

Tweezer Sets

> Optimum combination: the tweezer sets come in various combinations in a high-quality tool roll for safe transport and damage-free storage
> Five high-quality sets of tweezers: Precision Tweezers, Universal Tweezers, SMD-, ESD, Plastic and Insulated Tweezers
> Two different tool rolls (Isolated set with 5 compartments; others with 7 compartments)

92 00 01 ESD
Universal Tweezers Set ESD
> 5 pieces
> DIN EN 61340 -5-1

92 00 02
Precision Tweezers Set
> 5 pieces

92 00 03
SMD Precision Tweezers Set
> 5 pieces

92 00 04
Universal Tweezers Set
> 5 pieces
> insulated

92 00 05 ESD
Plastic Tweezers Set ESD
> 5 pieces
> DIN EN 61340 -5-1

92 00 01 ESD

92 00 02

92 00 03

92 00 04

92 00 05 ESD

Art. No.	International Code	EAN 4003773-	Contents	⚖ g
92 00 01 ESD	**K5-ECO.SA.NE.B**	087038	92 28 69 ESD / 92 28 70 ESD / 92 28 71 ESD / 92 38 75 ESD / 92 58 74 ESD	180
92 00 02	**K5HP.SA**	087021	92 21 01 / 92 21 02 / 92 21 03 / 92 31 01 / 92 51 01	175
92 00 03	**K5SMDF**	087045	92 01 01 / 92 01 02 / 92 01 03 / 92 01 04 / 92 02 54	174
92 00 04	**K5REDK.SA.B**	087052	92 27 61 / 92 27 62 / 92 37 64 / 92 47 01 / 92 67 63	275
92 00 05 ESD	**K5PICF**	087069	92 09 01 ESD / 92 09 02 ESD / 92 09 03 ESD / 92 09 04 ESD / 92 09 05 ESD	120
00 19 92 V01 LE		087229	Tool Roll for insulated tweezers, 5 compartments, empty	100
00 19 92 V02 LE		087236	Tool Roll for tweezers, 7 compartments, empty	100


KNIPEX 92 21 12 ESD
KNIPEX 92 91 03
Premium Stainless Steel
KNIPEX 92 81 02
Premium Stainless Steel
KNIPEX 92 31 01
Premium Stainless Steel
KNIPEX 92 16 01 ESD
Stainless Steel


KNIPEX
KNIPEX
KNIPEX 92 01 01
Premium Stainless Steel
KNIPEX 92 01 05
Premium Stainless Steel
KNIPEX 92 11 01 ESD
Stainless Steel
KNIPEX 92 21 05
Premium Stainless Steel
KNIPEX 92 37 64

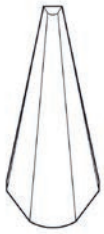
Blunt tips

Art. No.	Type of material	L x W x H mm	Finish	Design	Gripping surface
92 01 05	Premium stainless steel	120 x 10 x 12	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 01 06	Premium stainless steel	120 x 10 x 18	Premium stainless steel, 80 % anti-magnetic, acid-resistant	angled 30°	smooth
92 21 11 ESD	Premium stainless steel	123 x 15 x 16	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 51 01	Premium stainless steel	120 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 51 02	Premium stainless steel	70 x 8 x 6.5	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 81 01	Premium stainless steel	130 x 10 x 17	Premium stainless steel with interchangeable tips made of carbon-reinforced plastic, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 81 04	Premium stainless steel	130 x 10 x 17	Premium stainless steel with interchangeable tips made of carbon-reinforced plastic, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 91 01	Premium stainless steel	120 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 37 64	Stainless steel	148 x 14 x 40	Stainless steel, 80 % anti-magnetic, acid-resistant 1000 V	angled 30°	serrated
92 47 01	Stainless steel	142 x 16 x 38	Stainless steel, 80 % anti-magnetic, acid-resistant 1000 V	angled 30°	serrated
92 52 23	Stainless steel	118 x 10 x 10	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 58 74 ESD	Stainless steel	118 x 10 x 12	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 61 01	Stainless steel	200 x 12 x 20	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	serrated
92 61 02	Stainless steel	300 x 15 x 22	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	serrated
92 64 43	Stainless steel	120 x 10 x 14	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	serrated
92 67 63	Stainless steel	145 x 11 x 38	Stainless steel, 80 % anti-magnetic, acid-resistant 1000 V	straight	serrated
92 72 45	Stainless steel	145 x 11 x 15	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	serrated
92 78 77 ESD	Stainless steel	145 x 11 x 17	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	serrated
92 84 18	Stainless steel	126 x 11 x 18	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	serrated
92 94 91	Stainless steel	160 x 11.5 x 13	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	serrated
92 95 89	Stainless steel	165 x 11 x 20	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	serrated
92 95 90	Stainless steel	162 x 11 x 20	Stainless steel, 80 % anti-magnetic, acid-resistant	angled 40°	serrated
92 89 01	Plastic and carbon fibre	40 x 8 x 3.5	Interchangeable tips for 92 81 01, anti-magnetic, acid-resistant, ESD	straight	smooth
92 89 04	Plastic and carbon fibre	40 x 8 x 4	Interchangeable tips for 92 81 04, anti-magnetic, acid-resistant, ESD	straight	smooth
92 69 84	Plastic	129 x 13 x 33	Plastic, anti-magnetic, acid-resistant	straight	serrated
92 09 01 ESD	Plastic	115 x 9.5 x 13	Carbon fibre reinforced plastic, anti-magnetic, acid-resistant, ESD	straight	smooth
92 09 04 ESD	Plastic	115 x 11.5 x 15	Carbon fibre reinforced plastic, anti-magnetic, acid-resistant, ESD	straight	smooth
92 09 05 ESD	Plastic	115 x 11.5 x 15	Carbon fibre reinforced plastic, anti-magnetic, acid-resistant, ESD	straight	smooth

Pointed tips

Art. No.	Type of material	L x W x H mm	Finish	Design	Gripping surface
92 23 05	Titanium	120 x 10 x 11	Titanium, anti-magnetic, acid-resistant	straight	smooth
92 21 01	Premium stainless steel	120 x 10 x 13	Premium stainless steel, acid-resistant	straight	smooth
92 21 10 ESD	Premium stainless steel	123 x 15 x 18	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 21 14 ESD	Premium stainless steel	130 x 15 x 16	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 81 02	Premium stainless steel and Plastic	130 x 10 x 17	Premium stainless steel with interchangeable tips made of carbon-reinforced plastic, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 81 03	Premium stainless steel and Plastic	130 x 15 x 17	Premium stainless steel with interchangeable tips made of carbon-reinforced plastic, 80 % anti-magnetic, acid-resistant, ESD	angled 60°	smooth
92 81 05	Premium stainless steel and Plastic	130 x 10 x 17	Premium stainless steel with interchangeable tips made of carbon-reinforced plastic, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 21 02 ESD	Stainless steel	128 x 12 x 12	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 22 04	Stainless steel	128 x 12 x 10	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 22 13	Stainless steel	130 x 11 x 14	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 22 35	Stainless steel	155 x 8 x 18	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	serrated
92 27 61	Stainless steel	125 x 11 x 35	Stainless steel, 80 % anti-magnetic, acid-resistant, 1000 V	straight	smooth
92 27 62	Stainless steel	150 x 8 x 40	Stainless steel, 80 % anti-magnetic, acid-resistant, 1000 V	straight	serrated
92 28 72 ESD	Stainless steel	130 x 11 x 14	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 34 36	Stainless steel	152 x 8 x 18	Stainless steel, 80 % anti-magnetic, acid-resistant	angled 25°	serrated
92 34 37	Steel	155 x 8 x 14	Steel, magnetic, acid-resistant	angled 25°	serrated
92 09 03 ESD	Plastic	110 x 11.5 x 15	Carbon fibre reinforced plastic, anti-magnetic, acid-resistant, ESD	angled 45°	smooth
92 89 02	Plastic and carbon fibre	40 x 8 x 3.5	Interchangeable tips for 92 81 02, anti-magnetic, acid-resistant, ESD	straight	smooth
92 89 03	Plastic and carbon fibre	40 x 15 x 3.5	Interchangeable tips for 92 81 02, anti-magnetic, acid-resistant, ESD	angled 60°	smooth
92 89 05	Plastic and carbon fibre	40 x 8 x 3.5	Interchangeable tips for 92 81 05, anti-magnetic, acid-resistant, ESD	straight	smooth

Needle-point tips



Art. No.	Type of material	L x W x H mm	Finish	Design	Gripping surface
92 23 01	Titanium	110 x 10 x 11	Titanium, anti-magnetic, acid-resistant	straight	smooth
92 21 02	Premium stainless steel	120 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 21 03	Premium stainless steel	115 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 21 04	Premium stainless steel	90 x 8 x 10	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 21 05	Premium stainless steel	70 x 7 x 7.5	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 21 06	Premium stainless steel	80 x 6 x 7.5	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 31 01	Premium stainless steel	120 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant	angled 45°	smooth
92 91 02	Premium stainless steel	120 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 91 03	Premium stainless steel	115 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant	angled 45°	smooth
92 21 12 ESD	Premium stainless steel	112 x 14 x 15	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 21 13 ESD	Premium stainless steel	112 x 15 x 16	Premium stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 31 10 ESD	Premium stainless steel	122 x 15 x 15	Premium stainless steel, 80 % anti-magnetic, acid-resistant	angled 45°	smooth
92 21 01 ESD	Stainless steel	125 x 11 x 12	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 21 03 ESD	Stainless steel	140 x 8 x 14	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 21 07	Stainless steel	110 x 10 x 10	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 21 08	Stainless steel	140 x 8 x 12	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 22 06	Stainless steel	120 x 10 x 11	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 22 07	Stainless steel	125 x 11 x 10	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 22 12	Stainless steel	110 x 10 x 11	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 28 69 ESD	Stainless steel	120 x 10 x 13	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 28 70 ESD	Stainless steel	110 x 10 x 12	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 28 71 ESD	Stainless steel	110 x 10 x 12	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 32 29	Stainless steel	118 x 10 x 10	Stainless steel, 80 % anti-magnetic, acid-resistant	angled 35°	smooth
92 38 75 ESD	Stainless steel	118 x 10 x 12	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	angled 35°	smooth
92 09 02 ESD	Plastic	115 x 11.5 x 15	Carbon fibre reinforced plastic, anti-magnetic, acid-resistant, ESD	straight	smooth

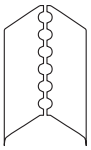
Positioned

Art. No.	Type of material	L x W x H mm	Finish	Design	Gripping surface
92 01 01	Premium stainless steel	115 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant, SMD	angled 45°	smooth
92 01 02	Premium stainless steel	120 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant, SMD	double-angled 35°	smooth
92 01 03	Premium stainless steel	120 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant, SMD	straight	smooth
92 01 04	Premium stainless steel	115 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant, SMD	angled 45°	smooth
92 02 54	Premium stainless steel	115 x 10 x 11	Premium stainless steel, 80 % anti-magnetic, acid-resistant, SMD	angled 30°	smooth
92 01 07	Stainless steel	143 x 11 x 17	Stainless steel, 80 % anti-magnetic, acid-resistant	angled 90°	smooth
92 08 78 ESD	Stainless steel	118 x 10 x 12	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD, SMD	angled 45°	smooth
92 08 79 ESD	Stainless steel	122 x 10 x 14.5	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	straight	smooth
92 11 02	Stainless steel	145 x 11 x 16.5	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 11 03	Stainless steel	122 x 10 x 14.5	Stainless steel, 80 % anti-magnetic, acid-resistant	straight	smooth
92 16 01 ESD	Stainless steel	120 x 10 x 14	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	angled 35°	smooth
92 16 02 ESD	Stainless steel	120 x 10 x 14.5	Stainless steel, 80 % anti-magnetic, acid-resistant, ESD	angled 35°	smooth

Cutting

Art. No.	Type of material	L x W x H mm	Finish	Design	Gripping surface
92 11 01	Stainless steel	115 x 11 x 15	Stainless steel, magnetic, acid-resistant	angled	blade
92 11 01 ESD	Stainless steel	115 x 11 x 17	Stainless steel, magnetic, acid-resistant, ESD	angled	blade

Stripping



Art. No.	Type of material	L x W x H mm	Finish	Gripping surface
15 11 120	Steel	120 x 40 x 13	Steel with plastic laminated handles, magnetic, acid-resistant	blade
15 19 005	Steel		Spare steel blade for 15 11 120, Ø 0.5 mm, magnetic, acid-resistant	blade
15 19 006	Steel		Spare steel blade for 15 11 120, Ø 0.6 mm, magnetic, acid-resistant	blade
15 19 008	Steel		Spare steel blade for 15 11 120, Ø 0.8 mm, magnetic, acid-resistant	blade
15 19 010	Steel		Spare steel blade for 15 11 120, Ø 1.0 mm, magnetic, acid-resistant	blade

Electronics Pliers from KNIPEX

Compact and high-performance: for cutting and moving electronic components

Apart from their smaller size, electronics pliers do not differ significantly from other pliers. The most common designs, determined by their intended applications, are the diagonal cutter and gripping pliers. KNIPEX offers the right specialist tools for cutting wires and components on circuit boards: electronics diagonal cutters with a variety of head, cutting-edge and bevel designs.

The main applications of our electronics pliers are in the electronics and aerospace industries. Due to their compact size and precision, however, they are also often used in other areas, such as precision and ultra-fine mechanics, automotive engineering, model making and jewellery and watch manufacture.

Electronics Pliers with ESD handles

Where sensitive semiconductor components are involved, particular care is always required. That is why a large number of our manual pliers are also available as ESD tools. ESD stands for "Electrostatic Discharge" – the controlled discharge of differences in electrical potential that can otherwise quickly lead to serious damage to electronic components. However, hardware can be protected by using pliers with ESD handle sleeves.

Special versions: that certain extra

Our development engineers have come up with some pliers with very special properties. Just two examples: a lead catcher can be used to prevent wire off-cuts from escaping and thus prevent short circuits on circuit boards; the carbide cutting edges allow extreme applications such as cutting piano, nickel, tungsten or diode wire.

Special advantages of the redesigned Electronics Pliers

The range of box joint electronics pliers has been extensively revised: thanks to the use of ball-bearing steel and a load-optimised design, the pliers are now even more robust and, thanks to optimised force transmission, require less effort. Rounded outer edges effectively prevent damage to the workpiece and surrounding components. Thinner sleeves allow sensitive gripping between the thumb and index finger.

Electronics Pliers

You'll find a greater overview on knipex.com:
find the best electronics pliers for your needs!

Electronic Super Knips

> Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
> Ground, very sharp cutting edges without bevel
> Precisely shaped tips cut wires close to a surface from Ø 0.2 mm
> Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life
> Joint with stainless steel rivet
> Extremely smooth movement for minimum operator fatigue
> With opening spring and opening limiter
> Electrically discharging handles – dissipative
> DIN ISO 9654

78 06 125

> VDE-tested precision pliers for ultra fine cutting work, e.g. in electronics and fine mechanics
> Complete your set of VDE-tools

78 03 125 / ESD / 78 23 125

> Cutting edge hardness approx. 54 HRC; INOX tool steel

78 13 125 / ESD

> Cutting edge hardness approx. 54 HRC; INOX tool steel; with lead catcher – no uncontrolled loss of cut wire ends

78 31 125

> Cutting edges additionally induction-hardened; cutting edge hardness approx. 60 HRC; with narrow head; special tool steel, burnished

78 41 125

> With lead catcher – no uncontrolled loss of cut wire ends; with narrow head; cutting edges additionally induction-hardened; cutting edge hardness approx. 60 HRC; special tool steel, burnished

78 61 125 / ESD

> Also suitable for cutting fibre optic cable; cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC; special tool steel, oil hardened in multiple stages

78 71 125 / ESD

> With lead catcher – no uncontrolled loss of cut wire ends; cutting edges additionally induction-hardened approx. 64 HRC; special tool steel, burnished

Models also for hard wire

78 81 125

> Precision-ground cutting edges with very small bevel suitable also for hard wire; cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC; special tool steel, burnished

78 91 125

> Precision-ground cutting edges with very small bevel suitable also for hard wire; with lead catcher – no uncontrolled loss of cut wire ends; cutting edges additionally induction-hardened; special tool steel, burnished

78 03 125

78 03 125 ESD

78 06 125


78 23 125


78 13 125


78 31 125

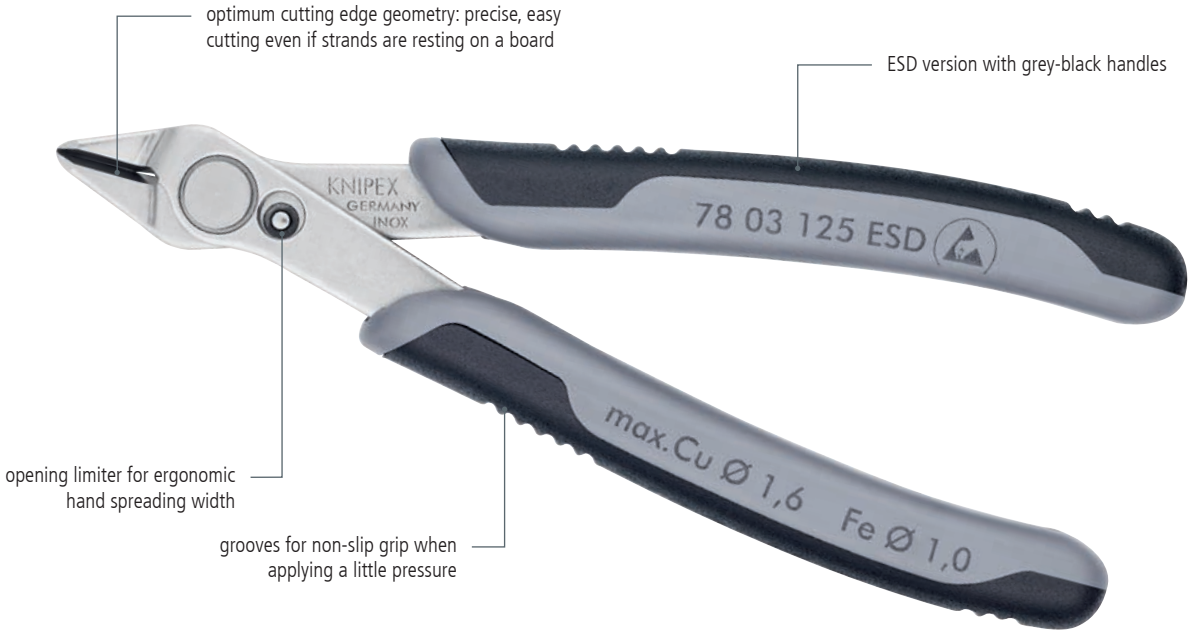

78 41 125


78 61 125

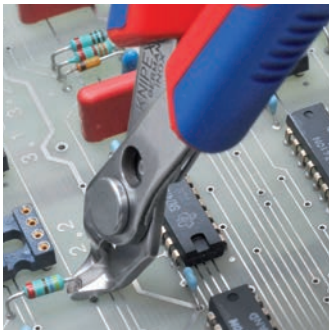

78 71 125


78 81 125

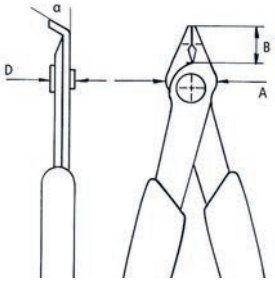

78 91 125

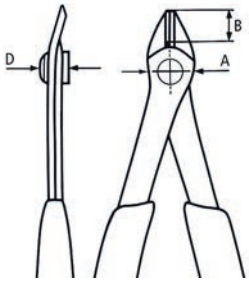


ESD pliers (electrostatic discharge)
Electrostatic energy is discharged through the handles in a gradual and controlled manner, which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472.



The very angled cutting edges of the Electronic Super Knipex 78 23 125 cut vertical wires comfortably from above.





							Cutting capacities			Dimensions			
Art. No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	g
78 03 125	035381	125			polished	multi-component handles	0.2 – 1.6	1.0		9.0	13.5	7.5	56
78 03 125 ESD	025146	125			polished	multi-component handles	0.2 – 1.6	1.0		9.0	13.5	7.5	55
78 06 125	084099	125	1000 V		polished	insulated multi-component handles, VDE-tested	0.2 – 1.6	1.0		9.0	13.5	7.5	60
78 13 125	035398	125			polished	multi-component handles	0.2 – 1.6	1.0		9.0	13.5	7.5	57
78 13 125 ESD	025153	125			polished	multi-component handles	0.2 – 1.6	1.0		9.0	13.5	7.5	57
78 23 125	043096	125	60°		polished	multi-component handles	0.2 – 1.6	0.6		5.5	13.5	7.5	55
78 31 125	039778	125		burnished	burnished	multi-component handles	0.2 – 1.6			9.0	12.5	7.5	55
78 41 125	040767	125		burnished	burnished	multi-component handles	0.2 – 1.6			9.0	12.5	7.5	57
78 61 125	035404	125		burnished	burnished	multi-component handles	0.2 – 1.6	1.2		9.0	13.5	7.5	56
78 61 125 ESD	025184	125		burnished	burnished	multi-component handles	0.2 – 1.6	1.2		9.0	13.5	7.5	56
78 71 125	043799	125		burnished	burnished	multi-component handles	0.2 – 1.6	1.2		9.0	13.5	7.5	57
78 71 125 ESD	025191	125		burnished	burnished	multi-component handles	0.2 – 1.6	1.2		9.0	13.5	7.5	57
78 81 125	065074	125		burnished	burnished	multi-component handles	0.2 – 1.6	1.2	0.6	9.0	13.5	7.5	57
78 91 125	065081	125		burnished	burnished	multi-component handles	0.2 – 1.6	1.2	0.6	9.0	13.5	7.5	57

Electronic Super Knips XL

▸ Additional 15 mm longer version: greater stability, greater cutting performance

> For ultra fine cutting work, e.g. in electronics and fine mechanics
> In particular for cutting cable ties to length
> Ground, very sharp cutting edges without bevel
> Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life
> Precisely shaped tips cut wires close to a surface from Ø 0.2 mm
> Joint with stainless steel rivet
> Extremely smooth movement for minimum operator fatigue
> With opening spring and opening limiter
> DIN ISO 9654

78 03 140 / ESD

> Cutting edge hardness approx. 54 HRC; INOX tool steel

78 61 140 / ESD

> Cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC; special tool steel, oil hardened in multiple stages

78 03 140

78 61 140

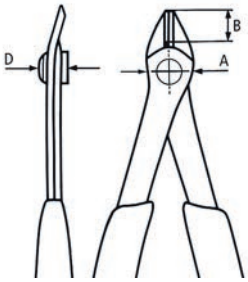
78 03 140 ESD

78 61 140 ESD

ESD pliers (electrostatic discharge)
Electrostatic energy is discharged through the handles in a gradual and controlled manner, which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472.

For flush cutting, e.g. for shortening cable ties

Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life



Art. No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities ◔ Ø mm	Cutting capacities ◑ Ø mm	Dimensions B mm	Dimensions A mm	Dimensions D mm	⚖ g
78 03 140	081647	140			polished	multi-component handles	0.2 – 2.1	1.2	12.3	15.7	9.2	85
78 03 140 ESD	081661	140			polished	multi-component handles	0.2 – 2.1	1.2	12.3	15.7	9.2	77
78 61 140	081685	140		burnished	burnished	multi-component handles	0.2 – 2.1	1.4	12.3	15.7	9.2	85
78 61 140 ESD	081708	140		burnished	burnished	multi-component handles	0.2 – 2.1	1.4	12.3	15.7	9.2	85

Precision Electronics Diagonal Cutters

with bolted joint

> Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
> Very precisely ground and sharp cutting edges with very small bevels for exact cutting on delicate electronic components; also available without bevel for flush cutting
> Cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC
> Approx. 20% lighter than conventional electronics pliers
> Bolted joint with carefully manufactured joint surfaces for even, low-friction movement throughout the entire opening range
> Smooth-running double spring for a gentle and even opening
> Ergonomically optimised multi-component handles
> Ball bearing chrome steel, forged, multi stage oil-hardened
> DIN ISO 9654

79 02 120 / 79 22 120
> Mini-head

79 02 125 / 79 22 125
> Round head

79 12 125
> Specially for cutting through hard wire and piano wire

79 32 125 / 79 42 125
> Pointed head

79 42 125 Z
> For an optimised flush cutting result of soft materials

79 52 125 / 79 62 125
> Pointed head; with lead catcher – no uncontrolled loss of cut wire ends

79 02 120


79 02 125


79 12 125


79 22 120


79 22 125

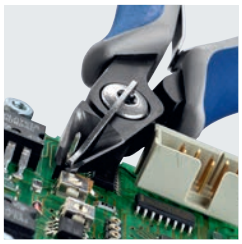

79 32 125

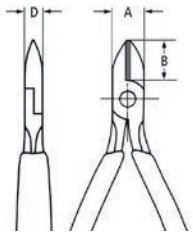

79 42 125 Z


79 52 125


79 62 125

Material Catcher for 79 02 / 22 125 ESD, see page 31





The subtle difference

KNIPEX precision electronics pliers are made of high-quality ball bearing steel and processed with the highest degree of care. Each opening movement is gentle and even without backlash. Each work step proceeds reliably and precisely. This makes work much easier for professionals.

Art. No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities Ø mm	Ø mm	Ø mm	Ø mm	Dimensions B mm	A mm	D mm	g
79 02 120	061403	120		burnished	polished	multi-component handles	0.2 – 1.4	1.0	0.6		6.5	9.0	6.5	57
79 02 125	061281	125		burnished	polished	multi-component handles	0.2 – 1.7	1.3	0.7		10.0	11.0	6.5	59
79 02 125 S1	071808	125					0.2 – 1.7	1.3	0.7		10.0	11.0	6.5	59
79 12 125	071365	125		burnished	polished	multi-component handles	0.3 – 1.7	1.3	1.0	0.6	10.0	11.0	6.5	59
79 22 120	061427	120		burnished	polished	multi-component handles	0.1 – 1.3	0.8			6.5	9.0	6.5	56
79 22 125	061342	125		burnished	polished	multi-component handles	0.1 – 1.7	1.0			10.0	11.0	6.5	60
79 32 125	061366	125		burnished	polished	multi-component handles	0.2 – 1.5	1.1	0.6		11.0	11.0	6.5	58
79 42 125	061380	125		burnished	polished	multi-component handles	0.1 – 1.5	0.8			11.0	11.0	6.5	58
79 42 125 Z	078449	125		burnished	polished	multi-component handles	0.1 – 1.3				11.0	11.0	6.5	58
79 52 125	065135	125		burnished	polished	multi-component handles	0.2 – 1.3	0.9	0.5		11.0	11.0	6.5	58
79 62 125	065142	125		burnished	polished	multi-component handles	0.1 – 1.3	0.8			11.0	11.0	6.5	58
00 11 V79	083443		Material catcher, for 79 02 / 22 125 ESD											

Precision Electronics Diagonal Cutters ESD

with bolted joint

> Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
> Very precisely ground and sharp cutting edges with very small bevels for exact cutting on delicate electronic components; also available without bevel for flush cutting
> Cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC
> Approx. 20% lighter than conventional electronics pliers
> Bolted joint with carefully manufactured joint surfaces for even, low-friction movement throughout the entire opening range
> Smooth-running double spring for a gentle and even opening
> Ergonomically optimised multi-component handles
> Ball bearing chrome steel, forged, multi stage oil-hardened
> DIN ISO 9654, DIN EN 61 340-5

79 02 120 ESD / 79 22 120 ESD
> Mini-head

79 02 125 ESD / 79 22 125 ESD
> Round head

79 12 125 ESD
> Specially for cutting hard wire and piano wire

79 32 125 ESD / 79 42 125 ESD
> Pointed head

79 42 125 Z ESD
> For an optimised flush cutting result of soft materials

79 52 125 / 79 62 125 ESD
> Pointed head; with lead catcher – no uncontrolled loss of cut wire ends

79 02 120 ESD


79 02 125 ESD

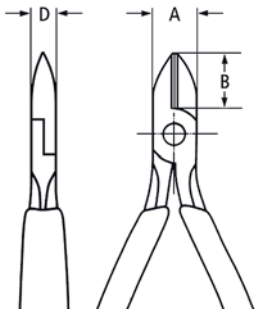

79 12 125 ESD


79 22 120 ESD


79 22 125 ESD


79 32 125 ESD


79 42 125 Z ESD



ESD pliers (electrostatic discharge)
Electrostatic energy is discharged through the handles in a gradual and controlled manner, which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472.

Art. No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities Ø mm	Ø mm	Ø mm	Ø mm	Dimensions B mm	A mm	D mm	g
79 02 120 ESD	061595	120		burnished	polished	multi-component handles	0.2 – 1.4	1.0	0.6		6.5	9.0	6.5	60
79 02 125 ESD	061519	125		burnished	polished	multi-component handles	0.2 – 1.7	1.3	0.7		10.0	11.0	6.5	61
79 12 125 ESD	071389	125		burnished	polished	multi-component handles	0.3 – 1.7	1.3	1.0	0.6	10.0	11.0	6.5	61
79 22 120 ESD	061618	120		burnished	polished	multi-component handles	0.1 – 1.3	0.8			6.5	9.0	6.5	61
79 22 125 ESD	061533	125		burnished	polished	multi-component handles	0.1 – 1.7	1.0			10.0	11.0	6.5	61
79 32 125 ESD	061557	125		burnished	polished	multi-component handles	0.2 – 1.5	1.1	0.6		11.0	11.0	6.5	61
79 42 125 ESD	061571	125		burnished	polished	multi-component handles	0.1 – 1.5	0.8			11.0	11.0	6.5	58
79 42 125 Z ESD	078456	125		burnished	polished	multi-component handles	0.1 – 1.3				11.0	11.0	6.5	58
79 52 125 ESD	065159	125		burnished	polished	multi-component handles	0.2 – 1.3	0.9	0.5		11.0	11.0	6.5	58
79 62 125 ESD	065166	125		burnished	polished	multi-component handles	0.1 – 1.3	0.8			11.0	11.0	6.5	58
00 11 V79	083443		Material catcher, for 79 02 / 22 125 ESD											

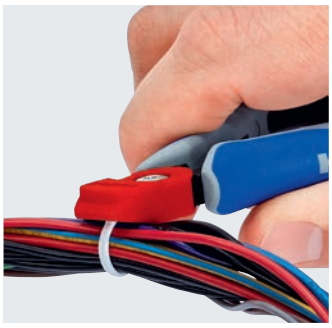
Material catcher

for 79 02 / 22 125 ESD

> Material catcher for Electronics Diagonal Cutters: reliably prevents cut material from falling down
> For particular safety, e.g. in the aerospace industry, in order to avoid FOD (Foreign Object Damage)

00 11 V79

Easy attachment: the material catcher is easily attached and fastens securely to the pliers head



Remove the head of the cable tie using the Electronics Diagonal Cutter…

…the detached workpiece remains safely in the material catcher

Art. No.	EAN 4003773-	g
00 11 V79	083443	20

Electronics Diagonal Cutters

with bolted joint

> For ultra fine cutting work, e.g. in electronics and fine mechanics
> With sharp, ground cutting edges for soft and hard wire and piano wire
> Cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC
> Low-friction double spring for gentle and even opening
> High-grade special tool steel, forged, multi stage oil-hardened
> DIN ISO 9654

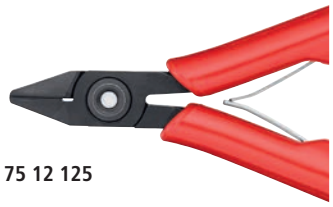
75 02 125
> With bevel (outer chamfer)

75 12 125
> With small bevel and lead catcher – no uncontrolled loss of cut wire ends; cutting edge hardness at least 60 HRC

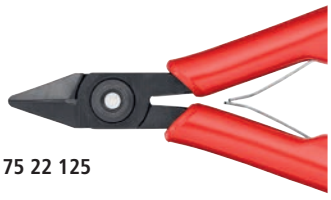
75 22 125
> With small bevel

75 52 125
> Particularly narrow head, with bevel

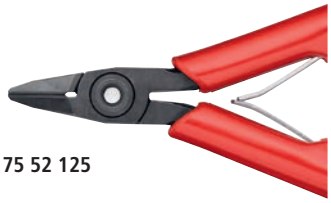
75 02 125



75 12 125

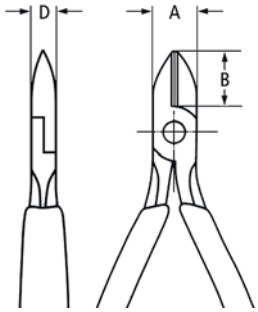


75 22 125



75 52 125

Bolted joint

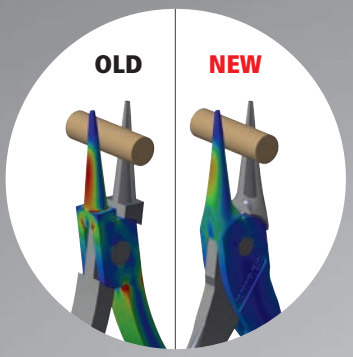


Art. No.	EAN 4003773-	↔ mm		Pliers	Handles	Cutting capacities ◔ Ø mm	◑ Ø mm	◕ Ø mm	● Ø mm	Dimensions A mm	B mm	D mm	g
75 02 125	043720	125		burnished	plastic handles	0.2 – 1.3	1.0	0.6	0.4	10.5	14.0	6.5	80
75 12 125	040514	125		burnished	plastic handles	0.2 – 1.3	1.0	0.6	0.4	10.5	14.0	6.5	80
75 22 125	040538	125		burnished	plastic handles	0.2 – 1.3	0.9	0.4	0.3	10.5	14.0	6.5	79
75 52 125	043737	125		burnished	plastic handles	0.2 – 0.8	0.5	0.3		10.5	14.0	6.5	75

We are Family: the family of electronic pliers with box joint

Durable, powerful and with a great deal of sensitivity: for gripping and cutting in all areas of electronics and fine mechanics.

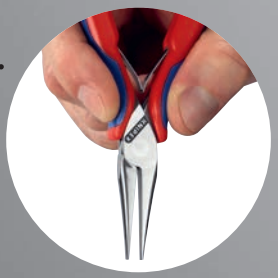
- Robust, load-optimised construction made of ball bearing steel
- With box joint and zero-backlash joint
- Less effort required due to high leverage
- Slim sleeves raised towards the pliers head for precision and comfortable gripping between thumb and index finger
- Low friction double spring for gentle and even opening
- Laser-hardened cutting edges
- Mirror polish instead of chrome plating: no circuit faults caused by peeling chrome from plated tools



Optimized design to reduce stress load on the pliers tips

Carefully rounded: no sharp edges that could damage the workpiece

Mirror polish in combination with a fine oil film provides rust protection



Can be held like tweezers: precise and comfortable gripping

Electronics Diagonal Cutters

with box joint

> For fine cutting work, e.g. in electronics and fine mechanics
> Load-optimised for a more direct feel when working
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Cutters additionally laser hardened, cutter hardness at least 62 HRC
> Narrow sleeves pulled up to the head of the pliers enable the tool to be guided securely and comfortably, also between thumb and index finger
> Sturdy, zero-backlash box joint
> Ball bearing chrome steel, oil hardened
> DIN ISO 9654

77 01 115 / 77 02 115 / 77 02 130
> Round head, with small bevel

77 21 115 / 77 22 115 / 77 82 130
> Round head, without bevel

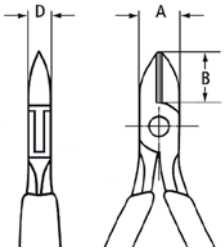
77 11 115 / 77 12 115
> Round head, with small bevel and lead catcher – no uncontrolled loss of cut wire ends

77 32 115 / 77 32 130
> Pointed head, with small bevel

77 42 115 / 77 42 130
> Pointed head, without bevel

77 52 115
> Pointed, flat head, with small bevel

77 72 115
> Pointed mini-head, with small bevel



77 01 115

77 02 130

77 02 115

77 12 115

77 22 115

77 32 115

77 42 115

77 42 130

77 52 115

77 82 130

Art. No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities Ø mm	Ø mm	Ø mm	Dimensions B mm	A mm	D mm	g
77 01 115	018568	115		mirror polished	plastic handles	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	50
77 02 115	039334	115		mirror polished	multi-component handles	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	70
77 02 130	039334	130		mirror polished	multi-component handles	0.3 – 2.0	1.5	0.8	16.2	13.0	8.5	81
77 11 115	018629	115		mirror polished	plastic handles	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	55
77 12 115	043768	115		mirror polished	multi-component handles	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	70
77 21 115 N	082309	115		mirror polished	plastic handles	1.3	1.0		13.0	11.0	7.0	50
77 22 115	043782	115		mirror polished	multi-component handles	0.3 – 1.3	1.0		14.0	11.0	7.0	70
77 32 115	044307	115		mirror polished	multi-component handles	0.3 – 1.3	1.0	0.5	14.0	11.0	7.5	65
77 32 130	089186	130		mirror polished	multi-component handles	0.3 – 2.0	1.3	0.6	16.2	13.0	8.5	80
77 41 115	082316	115		mirror polished	plastic handles	1.3	0.8		13.0	11.0	7.0	50
77 42 115	039761	115		mirror polished	multi-component handles	0.3 – 1.3	0.8		14.0	11.0	7.5	70
77 42 130	018773	130		mirror polished	multi-component handles	0.3 – 1.6	1.3		16.2	13.0	8.5	81
77 52 115	040750	115		mirror polished	multi-component handles	0.3 – 1.0	0.8	0.5	14.0	11.0	7.5	65
77 72 115	040958	115		mirror polished	multi-component handles	0.3 – 0.8			10.5	11.0	6.0	65
77 82 130	089162	130		mirror polished	multi-component handles	0.3 – 1.6	1.3		16.2	13.0	8.5	81
35 99 01	084297		Spare springs, for Electronics pliers, (2x)									

Electronics Diagonal Cutters ESD

with box joint

> For fine cutting work, e.g. in electronics and fine mechanics
> Electrically discharging handles – dissipative
> Sturdy, zero-backlash box joint
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Cutters additionally laser hardened, cutter hardness at least 62 HRC
> Handles with two-colour multi-component grips black/grey
> Ball bearing chrome steel, oil hardened
> DIN ISO 9654, DIN EN 61 340-5

77 02 115 ESD / 77 02 130 ESD
> Round head, with small bevel

77 12 115 ESD
> Round head, with bevel and lead catcher – no uncontrolled loss of cut wire ends

77 22 115 ESD / 77 82 130 ESD
> Round head, without bevel

77 32 115 ESD / 77 32 130 ESD
> Pointed head, with small bevel

77 42 115 ESD / 77 42 130 ESD
> Pointed head, without bevel

77 52 115 ESD
> Pointed, flat head, with small bevel

77 72 115 ESD
> Pointed mini-head, with small bevel

77 02 115 ESD


77 12 115 ESD

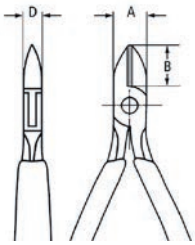

77 22 115 ESD


77 32 115 ESD


77 42 115 ESD


77 52 115 ESD


77 72 115 ESD



ESD pliers (electrostatic discharge)
Electrostatic energy is discharged through the handles in a gradual and controlled manner, which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472.

Art. No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities Ø mm	Ø mm	Ø mm	Dimensions B mm	A mm	D mm	g
77 02 115 ESD	025092	115		mirror polished	multi-component handles	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	70
77 02 130 ESD	089209	130		mirror polished	multi-component handles	0.3 – 2.0	1.5	0.8	16.2	13.0	8.5	81
77 12 115 ESD	025108	115		mirror polished	multi-component handles	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	70
77 22 115 ESD	025115	115		mirror polished	multi-component handles	0.3 – 1.3	1.0		14.0	11.0	7.5	70
77 32 115 ESD	025122	115		mirror polished	multi-component handles	0.3 – 1.3	1.0	0.5	14.0	11.0	7.0	70
77 32 130 ESD	089193	130		mirror polished	multi-component handles	0.3 – 2.0	1.3	0.6	16.2	13.0	8.5	80
77 42 115 ESD	031901	115		mirror polished	multi-component handles	0.3 – 1.3	0.8		14.0	11.0	7.0	70
77 42 130 ESD	089216	130		mirror polished	multi-component handles	0.3 – 1.6	1.3		16.2	13.0	8.5	80
77 52 115 ESD	025139	115		mirror polished	multi-component handles	0.3 – 1.0	0.8	0.5	14.0	11.0	7.0	70
77 72 115 ESD	024330	115		mirror polished	multi-component handles	0.3 – 0.8			10.5	11.0	6.0	70
77 82 130 ESD	089179	130		mirror polished	multi-component handles	0.3 – 1.6	1.3		16.2	13.0	8.5	81
35 99 01	084297		Spare springs, for Electronics pliers, (2x)									

Electronics Diagonal Cutters

with inserted carbide metal cutting edges

> For extreme demands on cutting pliers caused by hard or tough materials, e.g. piano, nickel, tungsten and diode wire, such as those used more frequently in the electronics and aerospace industries
> Always the right cutting tool, even with the hardest material
> Precision carbide metal cutting edges soldered into forged blanks
> Sturdy, zero-backlash box joint
> Hardness of the carbide cutting edges 80 – 83 HRC
> Pliers with carbide metal cutting edges have a substantially longer service life than such with conventional cutting edges
> Constantly reliable cutting results due to the avoidance of cutter deformations
> High cost saving due to longer service life of the pliers
> DIN ISO 9654

77 02 120 H / 77 02 135 H / ESD

> Round head, with bevel

77 32 120 H / ESD

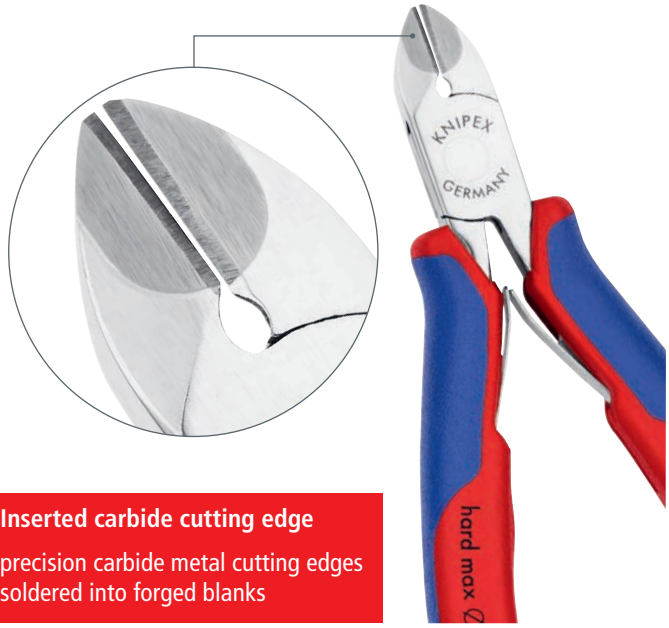
> Pointed head with chamfer; with small bevel

77 02 120 H

77 02 120 H ESD

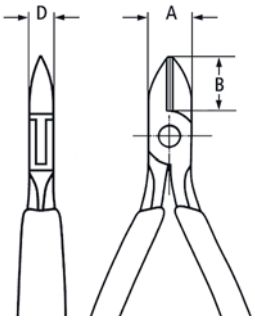
77 32 120 H

77 32 120 H ESD



Inserted carbide cutting edge

precision carbide metal cutting edges soldered into forged blanks



Art. No.	EAN 4003773-	↔ mm	Head	Handles	Cutting capacities Ø mm	Ø mm	Ø mm	Ø mm	Dimensions B mm	A mm	D mm	g
77 02 120 H	075783	120	mirror polished	multi-component handles	2.0	1.4	1.0	0.6	14.0	11.0	7.5	85
77 02 135 H	075806	135	mirror polished	multi-component handles	2.2	1.6	1.2	0.8	18.0	15.0	9.5	115
77 02 120 H ESD	075813	120	mirror polished	multi-component handles	2.0	1.4	1.0	0.6	14.0	11.0	7.5	85
77 02 135 H ESD	075837	135	mirror polished	multi-component handles	2.2	1.6	1.2	0.8	18.0	15.0	9.5	115
77 32 120 H	075790	120	mirror polished	multi-component handles	1.6	1.0	0.6	0.2	14.0	11.0	7.5	80
77 32 120 H ESD	075820	120	mirror polished	multi-component handles	1.6	1.0	0.6	0.2	14.0	11.0	7.0	80

Electronics End Cutting Nippers

with box joint

> Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
> Sturdy, zero-backlash box joint
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Cutters additionally laser hardened, cutter hardness at least 56 HRC
> Ball bearing chrome steel, oil hardened
> DIN ISO 9654

64 01 115 / 64 02 115 /64 02 115 ESD
> End Cutter, with small bevel

64 11 115 / 64 12 115 / 64 12 115 ESD
> End Cutter, without bevel

64 32 120 / 64 32 120 ESD
> Oblique End Cutter, with small bevel, α =15°

64 42 115
> Oblique End Cutter, short head, with small bevel, α = 27°

64 52 115
> Oblique End Cutter, short head, without bevel, for flush cutting, α = 27°

64 62 120 / 64 52 120 ESD
> Oblique End Cutter, mini-blade with small bevel, α = 65°

64 72 120
> Oblique End Cutter, mini-blade with small bevel, head with recess, α = 35°

64 22 115 / 64 22 115 ESD
> End Cutter, mini-blade with small bevel

64 01 115

64 02 115 ESD


64 11 115


64 12 115


64 22 115


64 32 120

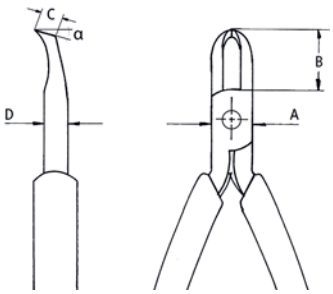

64 42 115


64 52 115

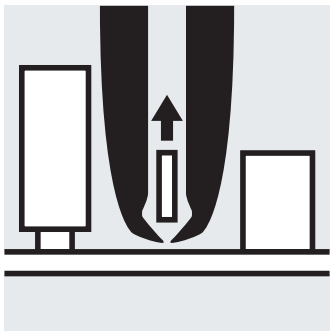

64 62 120

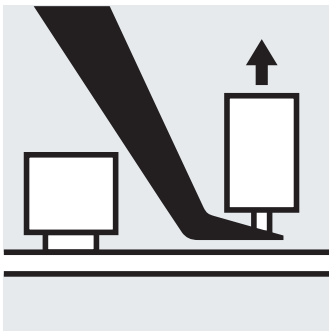

64 72 120

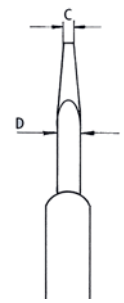

64 11 115



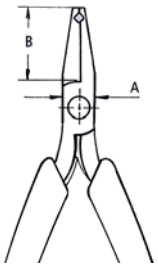
64 72 120

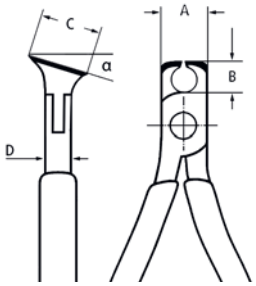

64 22 115


64 62 120

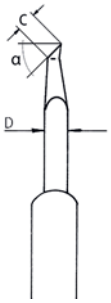


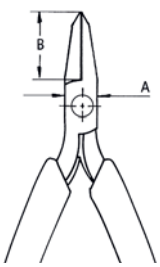
64 22 115



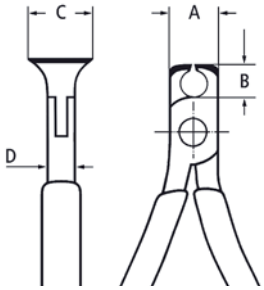


64 32 / 42 / 52





64 62 120



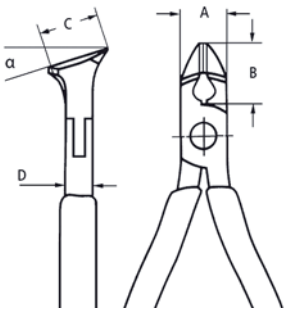
64 01 / 02 / 11 / 12

Art. No.	EAN 4003773-	↔ mm	Head	Handles	Cutting capacities Ø mm	Ø mm	Ø mm	Dimensions A mm	B mm	D mm	C mm	g
64 01 115	017745	115	mirror polished	plastic handles	2.0	1.0	0.6	11.0	6.0	7.5	16.0	55
64 02 115	035343	115	mirror polished	multi-component handles	2.0	1.0	0.6	11.0	6.0	7.5	16.0	70
64 02 115 ESD	082231	130	mirror polished	multi-component handles	2.0	1.0	0.6	11.0	6.0	7.5	16.0	70
64 11 115	017769	115	mirror polished	plastic handles	1.4	0.8		11.0	12.0	7.0	16.0	50
64 12 115	040743	115	mirror polished	multi-component handles	1.4	0.8	0.5	11.0	6.0	7.0	16.0	70
64 12 115 ESD	024323	115	mirror polished	multi-component handles	1.4	0.8		11.0	6.0	7.0	16.0	70
64 22 115	017806	115	mirror polished	multi-component handles	0.8			11.0	20.0	6.0	3.0	70
64 22 115 ESD	025061	115	mirror polished	multi-component handles	0.8			11.0	20.0	6.0	3.0	70
64 32 120	017820	120	mirror polished	multi-component handles	1.5	1.0	0.5	11.0	10.0	7.0	17.0	70
64 32 120 ESD	025078	120	mirror polished	multi-component handles	1.5	1.0	0.5	11.0	10.0	7.0	17.0	70
64 42 115	017844	115	mirror polished	multi-component handles	1.5	1.0	0.5	11.0	10.0	7.0	12.0	70
64 52 115	040439	115	mirror polished	multi-component handles	1.3			11.0	10.0	7.0	12.0	70
64 62 120	046998	120	mirror polished	multi-component handles	0.6			11.0	20.0	7.0	7.0	70
64 62 120 ESD	025085	120	mirror polished	multi-component handles	0.6			11.0	20.0	7.0	7.0	70
64 72 120	017882	120	mirror polished	multi-component handles	1.5			11.0	20.0	7.0	6.0	70

Electronics Oblique Cutting Nipper

> With cutting edges for soft and medium hard wire
> Without bevel, for flush cutting
> Cutters additionally laser hardened, cutter hardness at least 56 HRC
> Low-friction double spring for gentle and even opening
> Sturdy, zero-backlash box joint
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Ball bearing chrome steel, oil hardened
> DIN ISO 9654

62 12 120



Art. No.	EAN 4003773-	↔ mm	Handles	Cutting capacities Ø mm	Ø mm	Dimensions A mm	B mm	C mm	D mm	g
62 12 120	048008	120	multi-component handles	0.3 – 1.0	0.7	11.0	10.0	17.0	7.5	70

Precision Electronics Gripping Pliers

with bolted joint

> The assortment for highest standard of performance and results
> Precision pliers for very precise assembly work, e.g. in electronics and fine mechanics
> For gripping, holding and bending
> Bolted joint: precise, zero-backlash operation of pliers
> Precisely finished joint surfaces for smooth, low friction movement along the complete opening range
> Low-friction double spring for gentle and even opening
> Edges carefully deburred
> Non-reflective finish
> Low weight
> For very precise assembly work, e.g. in electronics and fine mechanics
> Approx. 20% lighter than conventional electronics pliers
> Smooth-running double spring for a gentle and even opening
> Ball bearing chrome steel, forged, multi stage oil-hardened
> DIN ISO 9655

34 12 130 / ESD
> Flat, wide jaws, smooth ground gripping surfaces

34 22 130 / ESD
> Half-round jaws, smooth ground gripping surfaces

34 32 130 / ESD
> Round, pointed jaws, smooth ground gripping surfaces

34 42 130 / ESD
> Flat, wide jaws; with precision laser cut cross-shaping

34 52 130 / ESD
> Half-round jaws; with precision laser cut cross-shaping

34 12 130 ESD

34 12 130


34 22 130


34 22 130 ESD


34 32 130

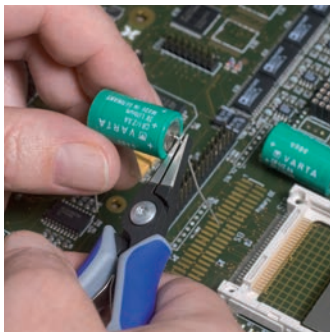

34 32 130 ESD


34 42 130

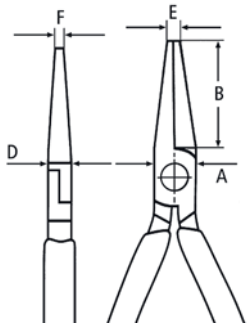

34 42 130 ESD


34 52 130


34 52 130 ESD




Cross-shaping: precision laser cut for a secure grip in ultra fine mounting work



Art. No.	EAN 4003773-	↔ mm		Head	Handles	Dimensions B mm	A mm	D mm	E mm	F mm	⚖ g
34 12 130	061458	135		polished	multi-component handles	21.9	11.2	6.5	1.4	3.5	61
34 12 130 ESD	061632	135		polished	multi-component handles	21.9	11.2	6.5	1.4	3.5	62
34 22 130	061472	135		polished	multi-component handles	22.7	11.2	6.5	1.6	1.6	61
34 22 130 ESD	061656	135		polished	multi-component handles	22.7	11.2	6.5	1.6	1.6	65
34 32 130	061496	135		polished	multi-component handles	23.7	11.2	6.5	2.0	1.0	59
34 32 130 ESD	061670	135		polished	multi-component handles	23.7	11.2	6.5	2.0	1.0	62
34 42 130	080282	130		polished	multi-component handles	21.9	11.2	6.5	1.4	3.5	61
34 42 130 ESD	080299	130		polished	multi-component handles	21.9	11.2	6.5	1.4	3.5	61
34 52 130	080312	130		polished	multi-component handles	22.7	11.2	6.5	1.6	1.6	61
34 52 130 ESD	080305	130		polished	multi-component handles	22.7	11.2	6.5	1.6	1.6	61

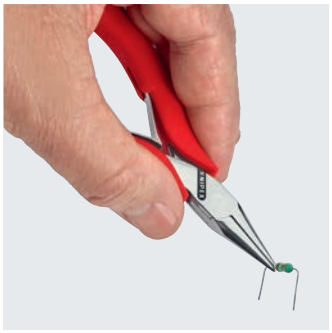
Electronics Gripping Pliers

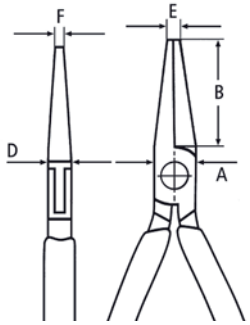
with box joint

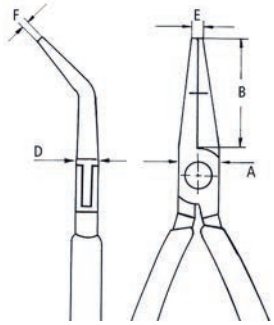
> Precision pliers for very precise assembly work, e.g. in electronics and fine mechanics
> Load-optimised for a more direct feel when working
> For gripping, holding and bending
> Sturdy, zero-backlash box joint
> Smooth ground gripping surfaces
> Soft transitions; no sharp edges
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Narrow sleeves pulled up to the head of the pliers enable the tool to be guided securely and comfortably, also between thumb and index finger
> Edges carefully deburred
> Ball bearing chrome steel, oil hardened
> DIN ISO 9655

145 mm length

> For deep gripping







35 11 115

35 12 115

35 21 115

35 22 115

35 31 115

35 32 115

35 41 115

35 52 145

35 62 145

35 82 145

Art. No.	EAN 4003773-	←→ mm		Head	Handles	Dimensions B mm	A mm	D mm	E mm	F mm	⚖ g
35 11 115	016694	115		mirror polished	plastic handles	22.5	11.0	6.5	2.0	4.0	55
35 12 115	035107	115		mirror polished	multi-component handles	22.5	11.0	6.5	2.0	4.0	70
35 21 115	016724	115		mirror polished	plastic handles	22.5	11.0	6.5	2.0	1.5	55
35 22 115	035114	115		mirror polished	multi-component handles	22.5	11.0	6.5	2.0	1.5	70
35 31 115	016762	115		mirror polished	plastic handles	22.5	11.0	6.5	2.0	1.0	61
35 32 115	035121	115		mirror polished	multi-component handles	22.5	11.0	6.5	2.0	1.0	70
35 41 115	082248	115	45°	mirror polished	plastic handles	22.5	11.0	6.5	2.0	1.0	55
35 42 115	040736	115	45°	mirror polished	multi-component handles	22.5	11.0	6.5	2.0	1.5	70
35 52 145	039389	145		mirror polished	multi-component handles	34.1	13.0	8.5	2.5	1.8	86
35 62 145	039556	145		mirror polished	multi-component handles	34.1	13.0	8.5	2.5	1.8	86
35 82 145	039396	145	45°	mirror polished	multi-component handles	30.1	13.0	8.5	2.5	1.8	86
35 99 01	08429		Spare springs, for Electronics pliers, (2x)								

Electronics Gripping Pliers ESD

with box joint

> For very precise assembly work, e.g. in electronics and fine mechanics
> For gripping, holding and bending
> Electrically discharging handles – dissipative
> Sturdy, zero-backlash box joint
> Smooth ground gripping surfaces
> Edges carefully deburred
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Ball bearing chrome steel, oil hardened
> DIN ISO 9655, DIN EN 61 340-5

35 12 115 ESD

35 22 115 ESD

35 32 115 ESD

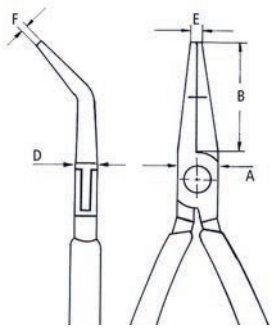
35 42 115 ESD

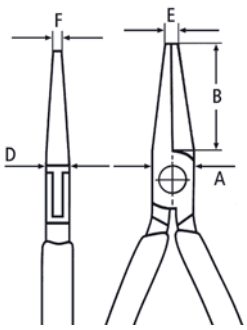
35 52 145 ESD

35 62 145 ESD

35 82 145 ESD

ESD pliers (electrostatic discharge)
Electrostatic energy is discharged through the handles in a gradual and controlled manner, which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472.





Art. No.	EAN 4003773-	↔ mm		Head	Handles	Dimensions B mm	A mm	D mm	E mm	F mm	g
35 12 115 ESD	024835	115		mirror polished	multi-component handles	22.5	11.0	6.5	2.0	4.0	70
35 22 115 ESD	024842	115		mirror polished	multi-component handles	22.5	11.0	7.0	2.0	1.3	70
35 32 115 ESD	024859	115		mirror polished	multi-component handles	22.5	11.0	6.5	2.0	1.0	70
35 42 115 ESD	024866	115		mirror polished	multi-component handles	22.5	11.0	6.5	2.0	1.5	70
35 52 145 ESD	089223	145		mirror polished	multi-component handles	34.1	13.0	8.5	2.5	1.8	86
35 62 145 ESD	089230	145		mirror polished	multi-component handles	34.1	13.0	8.5	2.5	1.8	86
35 82 145 ESD	089414	145		mirror polished	multi-component handles	31.1	13.0	8.5	2.5	1.8	86
35 99 01	08429		Spare springs, for Electronics pliers, (2x)								

Electronics Mounting Pliers

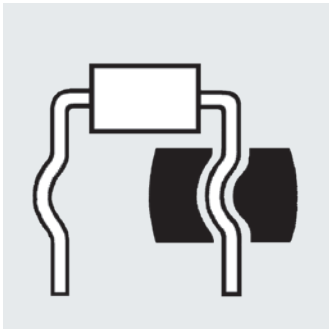
> Precision pliers for very fine assembly and repair work in electronics
> For bending and cutting off wire ends on components
> Sturdy, zero-backlash box joint
> Smooth ground gripping surfaces
> Edges carefully deburred
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Ball bearing chrome steel, oil hardened

36 12 130

36 22 125

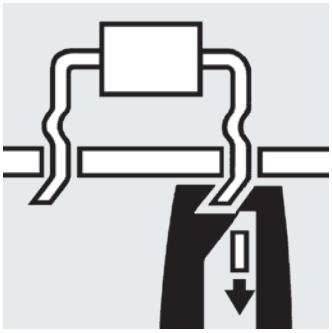
36 32 125

36 12 130



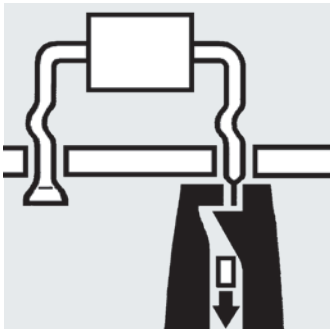
To bend wire in shape for the distance to the board

36 22 125

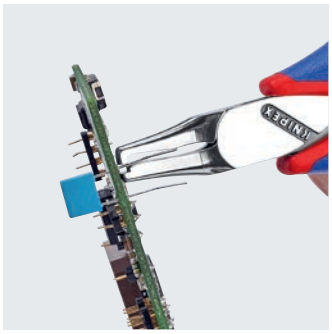


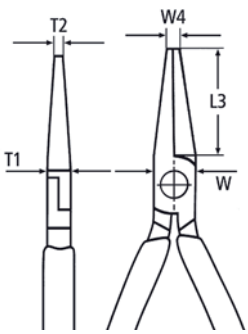
To bend and cut wire at 1.6 mm length below the board

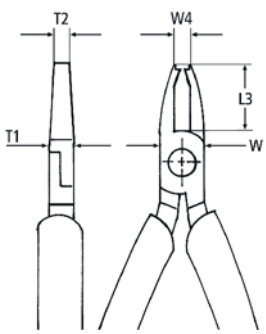
36 32 125



To crunch and cut wire at 1.6 mm length below the board







Art. No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities ◔ Ø mm	Dimensions L3 mm	W mm	T1 mm	W1 mm	T2 mm	⚖ g
36 12 130	016861	130		mirror polished	multi-component handles		18.0	11.0	7.0	5.5	4.0	70
36 22 125	046967	125		mirror polished	multi-component handles	1.2	18.0	11.0	7.0	7.5	4.0	94
36 32 125	016885	125		mirror polished	multi-component handles	1.0	18.0	11.0	7.0	7.5	3.0	108

Electronics Pliers Sets

with tools for work on electronic components

> Dimensions, closed (W x H x D): 215 x 160 x 50 mm

00 20 16

> 7 parts, contains 6 electronics pliers and one pair of precision tweezers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

00 20 16 P

> 6 parts, contains 6 precision electronics pliers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

00 20 16 P ESD

> 6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

00 20 17

> 6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

00 20 18

> 8 parts, contains 2 electronics pliers and 6 electronics screwdrivers; practical storage box, shock-resistant plastic, with foam insert

00 20 18 ESD

> 8 parts, contains 2 electronics pliers and 6 electronics screwdrivers, ESD electrically discharging version; practical storage box, shock-resistant plastic, with foam insert

00 20 16

00 20 16 P

00 20 16 P ESD

00 20 17

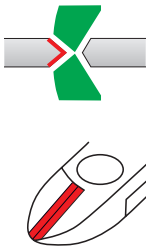
00 20 18

00 20 18 ESD

Art. No.	EAN 4003773-	Contents	g
00 20 16	022619	35 12 115 / 35 22 115 / 35 32 115 / 64 32 120 / 77 02 115 / 77 42 115 / 92 34 36	720
00 20 16 P	063223	34 12 130 / 34 22 130 / 34 32 130 / 79 02 120 / 79 02 120 / 79 02 125 / 79 42 125	575
00 20 16 P ESD	063230	34 12 130 ESD / 34 22 130 ESD / 34 32 130 ESD / 79 02 120 ESD / 79 02 125 ESD / 79 42 125 ESD	585
00 20 17	031222	35 12 115 ESD / 35 22 115 ESD / 35 42 115 ESD / 64 32 120 ESD / 77 02 115 ESD / 77 32 115 ESD	695
00 20 18	033073	35 22 115 / 77 02 115 / screw drivers 0.4 x 2.5 / 0.5 x 3.0 / 0.6 x 3.5 / 0.8 x 4.0 / PH0 / PH1	460
00 20 18 ESD	051848	35 22 115 ESD / 77 02 115 ESD / screw drivers 0.4 x 2.5 / 0.5 x 3.0 / 0.6 x 3.5 / 0.8 x 4.0 / PH0 / PH1	465

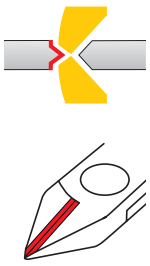

KNIPEX
35 32 115 ESD
MADE IN GERMANY
KNIPEX
KNIPEX
35 42 115 ESD
MADE IN GERMANY
KNIPEX
KNIPEX
35 12 115 ESD
MADE IN GERMANY
KNIPEX

With bevel (outer chamfer)



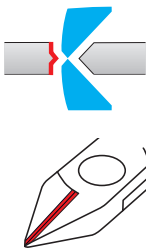
Art. No.	↔ mm	Head shape	Joint type	Grip type	◔ Ø mm	◑ Ø mm	◕ Ø mm	● Ø mm
75 02 125	125	point	bolted joint	plastic handles	0.2 – 1.3	1.0	0.6	0.4
75 12 125	125	point	bolted joint	plastic handles	0.2 – 1.3	1.0	0.6	0.4
75 52 125	125	point	bolted joint	plastic handles	0.2 – 0.8	0.5	0.3	-
77 02 120 H	120	round	box joint	multi-component handles	2.0	1.4	1.0	0.6
77 02 120 H ESD	120	round	box joint	ESD	2.0	1.4	1.0	0.6
77 02 130	130	round	box joint	multi-component handles	0.3 – 2.0	1.5	0.8	-
77 02 135 H	135	round	box joint	multi-component handles	2.2	1.6	1.2	0.8
77 02 135 H ESD	135	round	box joint	ESD	2.2	1.6	1.2	0.8

With small bevel (outer chamfer)



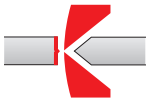
Art. No.	↔ mm	Head shape	Joint type	Grip type	◔ Ø mm	◑ Ø mm	◕ Ø mm	● Ø mm
64 01 115	115	end cutting nippers	box joint	plastic handles	2.0	1.0	0.6	-
64 02 115	115	end cutting nippers	box joint	multi-component handles	2.0	1.0	0.6	-
64 02 115 ESD	115	end cutting nippers	box joint	ESD	2.0	1.0	0.6	-
64 22 115	115	end cutting nippers	box joint	multi-component handles	0.8	-	-	-
64 32 120	120	end cutting nippers	box joint	multi-component handles	1.5	1.0	0.5	-
64 32 120 ESD	120	end cutting nippers	box joint	ESD	1.5	1.0	0.5	-
64 42 115	115	end cutting nippers	box joint	multi-component handles	1.5	1.0	0.5	-
64 62 120	120	end cutting nippers	box joint	multi-component handles	0.6	-	-	-
64 62 120 ESD	120	end cutting nippers	box joint	ESD	0.6	-	-	-
64 72 120	120	end cutting nippers	box joint	multi-component handles	1.5	-	-	-
75 22 125	125	point	bolted joint	plastic handles	0.2 – 1.3	0.9	0.4	0.3
77 01 115	115	round	box joint	plastic handles	0.3 – 1.6	1.2	0.6	-
77 02 115	115	round	box joint	multi-component handles	0.3 – 1.6	1.2	0.6	-
77 02 115 ESD	115	round	box joint	ESD	0.3 – 1.6	1.2	0.6	-
77 11 115	115	round	box joint	plastic handles	0.3 – 1.6	1.2	0.6	-
77 12 115	115	round	box joint	multi-component handles	0.3 – 1.6	1.2	0.6	-
77 12 115 ESD	115	round	box joint	ESD	0.3 – 1.6	1.2	0.6	-
77 32 115	115	point	box joint	multi-component handles	0.3 – 1.3	1.0	0.5	-
77 32 115 ESD	115	point	box joint	ESD	0.3 – 1.3	1.0	0.5	-
77 32 120 H	120	point	box joint	multi-component handles	1.6	1.0	0.6	0.2
77 32 120 H ESD	120	point	box joint	ESD	1.6	1.0	0.6	0.2
77 52 115	115	point	box joint	multi-component handles	0.3 – 1.3	1.0	0.5	-
77 52 115 ESD	115	point	box joint	ESD	0.3 – 1.0	0.8	0.5	-
77 72 115	115	point	box joint	multi-component handles	0.3 – 0.8	-	-	-
77 72 115 ESD	115	point	box joint	ESD	0.3 – 0.8	-	-	-

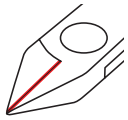
With very small bevel (outer chamfer)



Art. No.	↔ mm	Head shape	Joint type	Grip type	◔ Ø mm	◑ Ø mm	◕ Ø mm	● Ø mm
78 81 125	125	round	riveted joint	multi-component handles	1.6	1.2	0.6	-
78 91 125	125	round	riveted joint	multi-component handles	1.6	1.2	0.6	-
79 02 120	120	point	bolted joint	multi-component handles	0.2 – 1.4	1.0	0.6	-
79 02 120 ESD	120	point	bolted joint	ESD	0.2 – 1.4	1.0	0.6	-
79 02 125	125	round	bolted joint	multi-component handles	0.2 – 1.7	1.3	0.7	-
79 02 125 ESD	125	round	bolted joint	ESD	0.2 – 1.7	1.3	0.7	-
79 12 125	125	round	bolted joint	multi-component handles	0.3 – 1.7	1.3	1.0	0.6
79 12 125 ESD	125	round	bolted joint	ESD	0.3 – 1.7	1.3	1.0	0.6
79 32 125	125	point	bolted joint	multi-component handles	0.2 – 1.5	1.1	0.6	-
79 32 125 ESD	125	point	bolted joint	ESD	0.2 – 1.5	1.1	0.6	-
79 52 125	125	point	bolted joint	multi-component handles	0.2 – 1.3	0.9	0.5	-
79 52 125 ESD	125	point	bolted joint	ESD	0.2 – 1.3	0.9	0.5	-

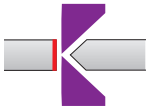
Without bevel (outer chamfer)

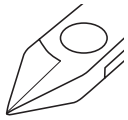




Art. No.	↔ mm	Head shape	Joint type	Grip type	◔ Ø mm	◑ Ø mm	◕ Ø mm
62 12 120	120	end cutting nippers	box joint	multi-component handles	0.3 – 1.0	0.7	-
64 11 115	115	end cutting nippers	box joint	plastic handles	1.4	0.8	-
64 12 115	115	end cutting nippers	box joint	multi-component handles	1.4	0.8	0.5
64 12 115 ESD	115	end cutting nippers	box joint	ESD	1.4	0.8	-
64 52 115	115	end cutting nippers	box joint	multi-component handles	1.3	-	-
77 21 115 N	115	point	box joint	plastic handles	1.3	1.0	-
77 22 115	115	round	box joint	multi-component handles	0.3 – 1.3	1.0	-
77 22 115 ESD	115	round	box joint	ESD	0.3 – 1.3	1.0	-
77 41 115	115	point	box joint	plastic handles	1.3	0.8	-
77 42 115	115	point	box joint	multi-component handles	0.3 – 1.3	0.8	-
77 42 115 ESD	115	point	box joint	ESD	0.3 – 1.3	0.8	-
77 42 130	130	point	box joint	multi-component handles	0.3 – 2.0	1.5	-
78 03 125	125	round	riveted joint	multi-component handles	1.6	1.0	-
78 03 125 ESD	125	round	riveted joint	ESD	1.6	1.0	-
78 03 140	140	round	riveted joint	multi-component handles	0.2 – 2.1	1.2	-
78 03 140 ESD	140	round	riveted joint	ESD	0.2 – 2.1	1.2	-
78 13 125	125	round	riveted joint	multi-component handles	1.6	1.0	-
78 13 125 ESD	125	round	riveted joint	ESD	1.6	1.0	-
78 23 125	125	round	riveted joint	multi-component handles	1.0	0.6	-
78 31 125	125	point	riveted joint	multi-component handles	1.0	-	-
78 41 125	125	point	riveted joint	multi-component handles	1.0	-	-
78 61 125	125	round	riveted joint	multi-component handles	1.6	1.2	-
78 61 125 ESD	125	round	riveted joint	ESD	1.6	1.2	-
78 61 140	140	round	riveted joint	multi-component handles	0.2 – 2.1	1.4	-
78 61 140 ESD	140	round	riveted joint	ESD	0.2 – 2.1	1.4	-
78 71 125	125	round	riveted joint	multi-component handles	1.6	1.2	-
78 71 125 ESD	125	round	riveted joint	ESD	1.6	1.2	-
79 22 120	120	round	bolted joint	multi-component handles	0.1 – 1.3	0.8	-
79 22 120 ESD	120	round	bolted joint	ESD	0.1 – 1.3	0.8	-
79 22 125	125	round	bolted joint	multi-component handles	0.1 – 1.7	1.0	-
79 22 125 ESD	125	round	bolted joint	ESD	0.1 – 1.7	1.0	-
79 42 125	125	point	bolted joint	multi-component handles	0.1 – 1.5	0.8	-
79 42 125 ESD	125	point	bolted joint	ESD	0.1 – 1.5	0.8	-
79 62 125	125	round	bolted joint	multi-component handles	0.1 – 1.3	0.8	-
79 62 125 ESD	125	round	bolted joint	ESD	0.1 – 1.3	0.8	-

Flush cut





Art. No.	↔ mm	Head shape	Joint type	Grip type	◔ Ø mm
79 42 125 Z	125	point	bolted joint	multi-component handles	0.1 – 1.3
79 42 125 Z ESD	125	point	bolted joint	ESD	0.1 – 1.3

Four steps to the right KNIPEX electronics diagonal cutter

1. Choosing the right head shape:

How accessible is the material to be cut?

Round head	Pointed head	End Cutting and Oblique Cutting Nippers	Flat head construction
			
strong head shape	good accessibility	flush cutting	very good accessibility

2. Determining cutting edge design:

What should / may the material look like at the cutting edge?

with bevel (outer chamfer)	with small (outer chamfer)	with a very small bevel (outer chamfer)	without bevel (outer chamfer)	flush cutting
				

3. Choosing the right handle:

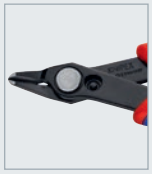
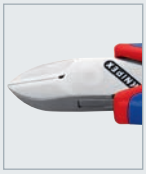
ESD pliers (electrostatic discharge)
Electrostatic energy is discharged through the handles in a gradual and controlled manner, which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472.

VDE-tested pliers
Each insulated tool is subjected to an individual 10,000 V AC breakdown test before we send it to market. This means that work in the range up to 1,000 V AC has a safety buffer of ten times the maximum permitted limit.

Plastic handle	Multi-component handle	Multi-component ESD handle	Multi-component VDE handle
			
safe and comfortable guidance	wide contact surfaces for a pleasant feel in the hand	ESD, wide contact surfaces for a pleasant feel in the hand	VDE-tested, hand slip guard, wide contact surfaces for a pleasant feel in the hand

4. Select joint type:

Which joint suits which application?

Lap joint	Box joint	Bolted joint
		
particularly slim shape	extremely stable	finely adjustable, maximum precision

Care tip

A drop of oil on the polished surfaces and in the joint keeps your pliers in good working order and extends their service life!

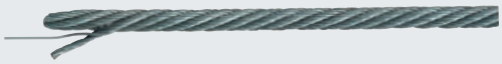
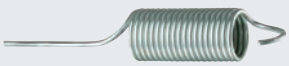
Keeping special requirements in mind:

Are there any special requirements?

Electronic Super Knips with micro offset cutting edges
for ultra-precise cutting of even the thinnest wires

Variants with a lead catcher
prevent the wire offcuts from escaping in an uncontrolled manner

Wire classes

	Material examples	Type of wire	Tensile strength N/mm²	Tensile strength kp/mm²	
◔	Copper, plastics	soft	220	22	
◑	Nail, wire pin	medium-hard	750	75	
◕	Wire rope strand, steel wire	hard	1800	180	
●	Spring steel wire	piano wire	2300	230	

Pictograms

	Packing unit		With lead catcher		Cross-hatched, knurled gripping surfaces
ESD	Electrostatic discharging, dissipative		Flat jaws		Cutting edges with bevel
1000 V	Insulated according to IEC 60900, usable up to 1000 V AC/1500 V DC		Flat and pointed jaws		Cutting edges with small bevel
	VDE tested, also in compliance with GPSG (Equipment and Product Safety Act)		Half-round jaws		Cutting edges with very small bevel
	Soft wire		Round jaws		Cutting edges without bevel
	Medium hard wire		Angle		For flush cut of soft materials
	Hard wire		Smooth gripping surfaces		Mechanically tested in accordance with the Equipment and Product Safety Act
	Piano wire		Smooth-serrated gripping surfaces	CE	Conforms to a European directive
	With opening spring		Knurled gripping surfaces		

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