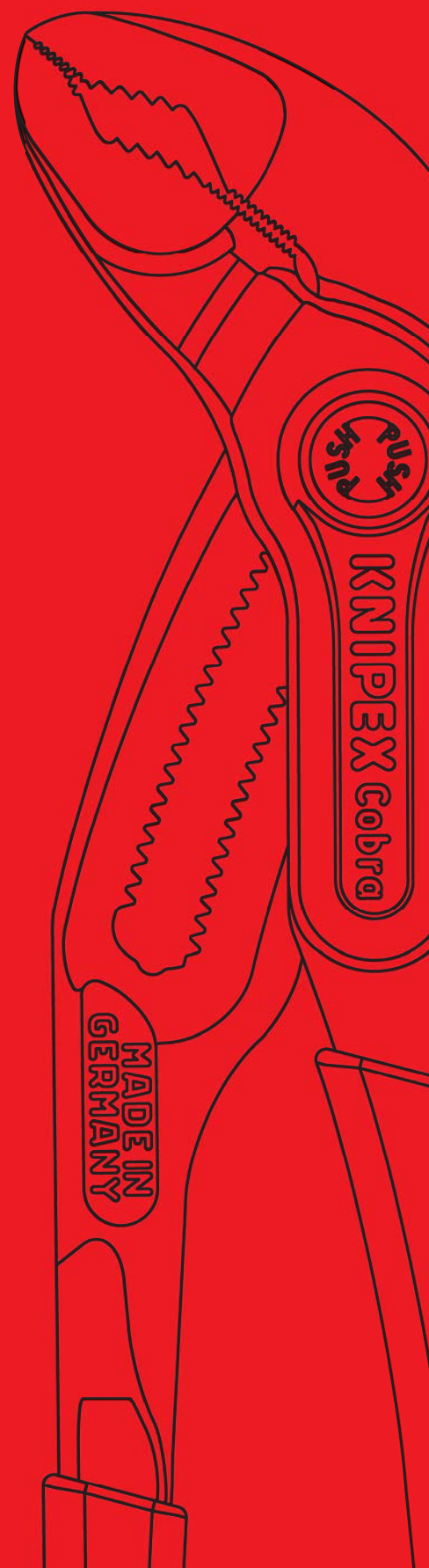


GENERAL CATALOGUE



Pliers

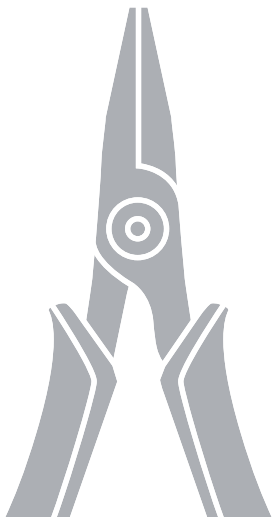
MADE IN GERMANY SINCE 1882



Electronics Pliers and Precision Tweezers



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Electronic Super Knips®

DIN ISO 9654

78

- > precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
- > ground, very sharp cutting edges without bevel
- > precision shaped tips cut wires resting on a board from 0.2 mm dia.
- > joint with stainless steel rivet
- > cutting edges additionally induction hardened
- > extremely smooth movement for minimum operator fatigue
- > with opening spring and opening limiter
- > in INOX or special tool steel

78 03 125/ESD / 78 23 125

INOX - stainless steel; cutting edge hardness approx. 54 HRC

78 13 125/ESD

INOX - stainless steel; cutting edge hardness approx. 54 HRC; 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, polished

78 41 125

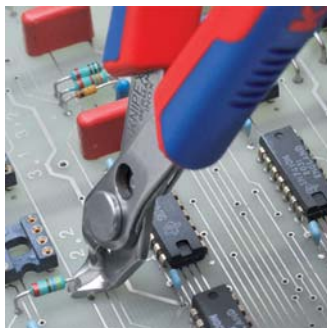
cutting edges additionally induction hardened, cutting edge hardness approx. 60 HRC; with narrow head; with lead catcher – no uncontrolled loss of cut wire ends; special tool steel, polished

78 61 125/ESD

cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC; also suitable for cutting glass fibre cables (fibre optics)

78 71 125/ESD

special tool steel, polished; with lead catcher – no uncontrolled loss of cut wire ends; cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC

78 03 125
✳️ ▲ ▲ ▲78 03 125 ESD
⚡ ✳️ ▲ ▲ ▲78 13 125
✳️ ▲ ▲ ▲ ▶78 23 125
✳️ ∠60° ▲ ▲ ▲78 31 125
✳️ ▲ ▲ ▲78 41 125
✳️ ▲ ▲ ▲ ▶**Models also for hard wire****78 81 125**

precision ground cutting edges with very small bevel suitable also for hard wire; special tool steel, polished; cutting-edge hardness approx. 64 HRC

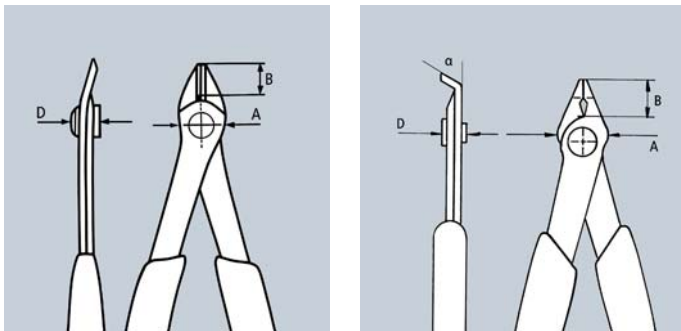
78 91 125

precision ground cutting edges with very small bevel suitable also for hard wire; with lead catcher – no uncontrolled loss of cut wire ends; special tool steel, polished; cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC

78 61 125
✳️ ▲ ▲ ▲78 71 125
✳️ ▲ ▲ ▲ ▶**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

78 81 125
✳️ ▲ ▲ ▲78 91 125
✳️ ▲ ▲ ▲ ▶



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities			Dimensions			⚖ g
							Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	
78 03 125	035381	125	✳️ 🔴 🔴 🔴		polished	with multi-component grips	0.2 - 1.6	1.0		9.0	13.5	7.5	56
78 03 125 ESD	025146	125	⚡ ✳️ 🔴 🔴 🔴		polished	with multi-component grips	0.2 - 1.6	1.0		9.0	13.5	7.5	55
78 13 125	035398	125	✳️ 🔴 🔴 🔴 ➤		polished	with multi-component grips	0.2 - 1.6	1.0		9.0	13.5	7.5	57
78 13 125 ESD	025153	125	⚡ ✳️ 🔴 🔴 🔴 ➤		polished	with multi-component grips	0.2 - 1.6	1.0		9.0	13.5	7.5	57
78 23 125	043096	125	✳️ $\le 60^\circ$ 🔴 🔴 🔴		polished	with multi-component grips	0.2 - 1.0	0.6		5.5	13.5	7.5	55
78 31 125	039778	125	✳️ 🔴 🔴 🔴	burnished	polished	with multi-component grips	0.2 - 1.0			9.0	12.5	7.5	55
78 41 125	040767	125	✳️ 🔴 🔴 🔴 ➤	burnished	polished	with multi-component grips	0.2 - 1.0			9.0	12.5	7.5	57
78 61 125	035404	125	✳️ 🔴 🔴 🔴	burnished	polished	with multi-component grips	0.2 - 1.6	1.2		9.0	13.5	7.5	56
78 61 125 ESD	025184	125	⚡ ✳️ 🔴 🔴 🔴	burnished	polished	with multi-component grips	0.2 - 1.6	1.2		9.0	13.5	7.5	56
78 71 125	043799	125	✳️ 🔴 🔴 🔴 ➤	burnished	polished	with multi-component grips	0.2 - 1.6	1.2		9.0	13.5	7.5	57
78 71 125 ESD	025191	125	⚡ ✳️ 🔴 🔴 🔴 ➤	burnished	polished	with multi-component grips	0.2 - 1.6	1.2		9.0	13.5	7.5	57
78 81 125	065074	125	✳️ 🔵 🔵 🔴	burnished	polished	with multi-component grips	0.2 - 1.6	1.2	0.6	9.0	13.5	7.5	57
78 91 125	065081	125	✳️ 🔵 🔵 🔴 ➤	burnished	polished	with multi-component grips	0.2 - 1.6	1.2	0.6	9.0	13.5	7.5	57

Precision Electronics Diagonal Cutters

DIN ISO 5746

79

- > 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 particularly 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
- > Chrome vanadium ball-bearing steel, forged, multi stage oil-hardened

79 02 120
mini-head

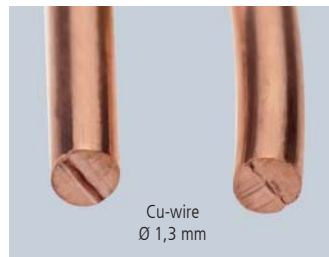
79 02 125
round head

79 12 125
specially for cutting through hard wire and piano wire

79 32 125
pointed head

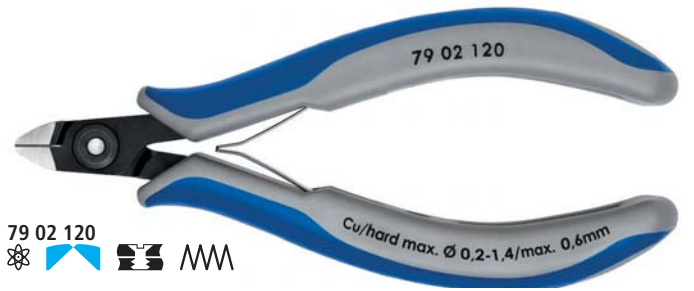
79 42 125 Z
for an optimised flush cutting result of soft materials

79 52 125
pointed head; with lead catcher – no uncontrolled loss of cut wire ends



Cut with 79 42 125 (without bevel)

Cut with 79 42 125 Z (flush cut)



79 02 120
✳️



79 02 125
✳️



79 22 120
✳️



79 22 125
✳️



79 32 125
✳️



79 42 125 Z
✳️



79 42 125
✳️

The subtle difference

KNIPLEX 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.

- flush cut
- cutting edges without bevel
- cutting edges with very small bevel

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				Dimensions			⚖ g
							Ø mm	Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	
79 02 120	061403	120		burnished	polished	with multi-component grips	0.2 - 1.4	1.0	0.6		6.5	9.0	6.5	57
79 02 125	061281	125		burnished	polished	with multi-component grips	0.2 - 1.7	1.3	0.7		10.0	11.0	6.5	59
79 12 125	071365	125		burnished	polished	with multi-component grips	0.3 - 1.7	1.3	1.0	0.6	10.0	11.0	6.5	59
79 22 120	061427	120		burnished	polished	with multi-component grips	0.1 - 1.3	0.8			6.5	9.0	6.5	56
79 22 125	061342	125		burnished	polished	with multi-component grips	0.1 - 1.7	1.0			10.0	11.0	6.5	60
79 32 125	061366	125		burnished	polished	with multi-component grips	0.2 - 1.5	1.1	0.6		11.0	11.0	6.5	58
79 42 125	061380	125		burnished	polished	with multi-component grips	0.1 - 1.5	0.8			11.0	11.0	6.5	58
79 42 125 Z	078449	125		burnished	polished	with multi-component grips	0.1 - 1.3				11.0	11.0	6.5	58
79 52 125	065135	125		burnished	polished	with multi-component grips	0.2 - 1.3	0.9	0.5		11.0	11.0	6.5	58
79 62 125	065142	125		burnished	polished	with multi-component grips	0.1 - 1.3	0.8			11.0	11.0	6.5	58

Precision Electronics Diagonal Cutters ESD

DIN ISO 9654

79

Electrically discharging handles – dissipative

779 02 120 ESD
mini-head

79 02 125 ESD
round head

79 12 125 ESD
specially for cutting through
hard wire and piano wire

79 22 120 ESD
mini-head

79 22 125 ESD
round head

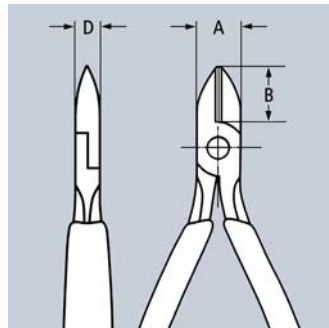
79 32 125 ESD
pointed head

79 42 125 ESD
pointed head

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

79 52 125 ESD
pointed head with lead catcher – no
uncontrolled loss of cut wire ends

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 22 120 ESD
    



79 22 125 ESD
    



79 32 125 ESD
    



79 42 125 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



Article No.	EAN 4003773-	↔ mm	    	Pliers	Head	Handles	Cutting capacities				Dimensions			 g
							Ø mm	Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	
79 02 120 ESD	061595	120	    	burnished	polished	with multi-component grips	0.2 - 1.4	1.0	0.6		6.5	9.0	6.5	60
79 02 125 ESD	061519	125	    	burnished	polished	with multi-component grips	0.2 - 1.7	1.3	0.7		10.0	11.0	6.5	61
79 12 125 ESD	071389	125	    	burnished	polished	with multi-component grips	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	with multi-component grips	0.1 - 1.3	0.8			6.5	9.0	6.5	61
79 22 125 ESD	061533	125	    	burnished	polished	with multi-component grips	0.1 - 1.7	1.0			10.0	11.0	6.5	61
79 32 125 ESD	061557	125	    	burnished	polished	with multi-component grips	0.2 - 1.5	1.1	0.6		10.5	11.0	6.5	61
79 42 125 ESD	061571	125	    	burnished	polished	with multi-component grips	0.1 - 1.5	0.8			10.5	11.0	6.5	58
79 42 125 Z ESD	078456	125	    	burnished	polished	with multi-component grips	0.1 - 1.3				11.0	11.0	6.5	58
79 52 125 ESD	065159	125	     	burnished	polished	with multi-component grips	0.2 - 1.3	0.9	0.5		11.0	11.0	6.5	58
79 62 125 ESD	065166	125	     	burnished	polished	with multi-component grips	0.1 - 1.3	0.8			11.0	11.0	6.5	58

Electronics Diagonal Cutters

DIN ISO 9654

75

- > bolted joint for high precision and stress tolerance
- > 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

Style 0

with bevel

Style 1

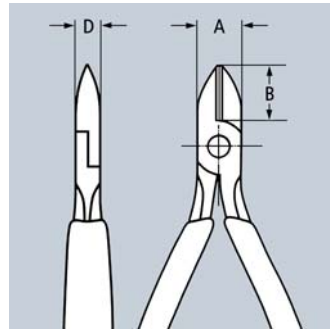
with bevel and lead catcher, no uncontrolled loss of cut wire ends

Style 2

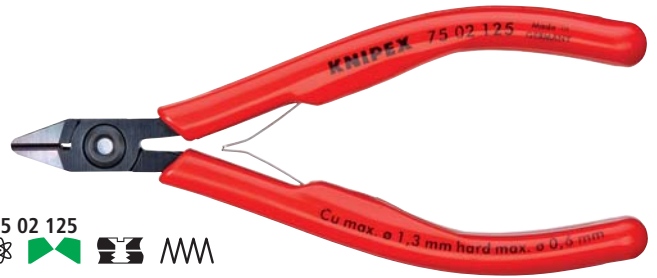
with small bevel

Style 5

particularly narrow head, with bevel



Bolted joint



75 02 125



75 12 125

75 22 125



75 52 125

Article No.	EAN 4003773-	↔ mm		Style	Pliers	Handles	Cutting capacities				Dimensions			g
							Ø mm	Ø mm	Ø mm	Ø mm	A mm	B mm	D mm	
75 02 125	040491	125		0	burnished	with plastic grips	0.2 - 1.3	1.0	0.6	0.4	10.5	14.0	6.5	81
75 12 125	040514	125		1	burnished	with plastic grips	0.2 - 1.3	1.0	0.6	0.4	10.5	14.0	6.5	80
75 22 125	040538	125		2	burnished	with plastic grips	0.2 - 1.3	0.9	0.4	0.3	10.5	14.0	6.5	79
75 52 125	040576	125		5	burnished	with plastic grips	0.2 - 0.8	0.5	0.3		10.5	14.0	6.5	79

Electronics Diagonal Cutters

DIN ISO 9654

77

- > for 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 polish or mirror polish (only finish 2) together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > cutting edges additionally induction hardened, cutting edge hardness approx. 62 HRC
- > High-grade special tool steel, forged, multi stage oil-hardened

77 01 115 / 77 02 130

round head, with bevel

77 02 115 / 77 22 130

round head, with small bevel

77 11 115 / 77 12 115round head, with bevel and lead catcher
– no uncontrolled loss of cut wire ends**77 21 115**

pointed head, without bevel

77 21 130

round head, without bevel

77 22 115

round head, without bevel; cutting edge hardness approx. 57 HRC

77 32 115

pointed head, with small bevel

77 42 115 / 77 42 130

pointed head, without bevel; cutting edge hardness approx. 57 HRC

77 52 115pointed, flat head, with small bevel;
cutting edge hardness approx. 57 HRC**77 72 115**

pointed mini-head, with small bevel

**77 01 115****77 02 115****77 12 115****77 22 115****77 32 115****77 42 115****77 52 115****77 72 115**

Article No.	EAN 4003773-	↔ mm	Icon	Head	Handles	Cutting capacities			Dimensions			
						Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	g
77 01 115	018568	115		mirror polished	plastic coated	0.3 - 1.6	1.2	0.6	14.0	11.0	7.5	67
77 01 130	018575	130		mirror polished	plastic coated	0.3 - 2.0	1.5	0.8	18.0	15.0	9.5	108
77 02 115	039334	115		mirror polished	with multi-component grips	0.3 - 1.6	1.2	0.6	14.0	11.0	7.5	80
77 02 130	039341	130		mirror polished	with multi-component grips	0.3 - 2.0	1.5	0.8	18.0	15.0	9.5	124
77 11 115	018629	115		mirror polished	plastic coated	0.3 - 1.6	1.2	0.6	14.0	11.0	7.5	70
77 12 115	043768	115		mirror polished	with multi-component grips	0.3 - 1.6	1.2	0.6	14.0	11.0	7.5	80
77 21 115	018650	115		mirror polished	plastic coated	0.3 - 1.3	1.0		14.0	11.0	7.5	64
77 21 130	018667	130		mirror polished	plastic coated	0.3 - 1.6	1.3		18.0	14.0	9.5	110
77 22 115	043782	115		mirror polished	with multi-component grips	0.3 - 1.3	1.0		14.0	11.0	7.0	80
77 22 130	040446	130		mirror polished	with multi-component grips	0.3 - 2.0	1.5		18.0	15.0	9.0	124
77 32 115	044307	115		mirror polished	with multi-component grips	0.3 - 1.3	1.0	0.5	14.0	11.0	7.5	80
77 42 115	039761	115		mirror polished	with multi-component grips	0.3 - 1.3	0.8		14.0	11.0	7.5	80
77 42 130	018773	130		mirror polished	with multi-component grips	0.3 - 1.6	1.3		18.0	15.0	9.5	122
77 52 115	040750	115		mirror polished	with multi-component grips	0.3 - 1.0	0.8	0.5	14.0	11.0	7.5	77
77 72 115	040958	115		mirror polished	with multi-component grips	0.3 - 0.8			10.5	9.5	6.0	69

Electronics Diagonal Cutters ESD

DIN ISO 9654

77

- > 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
- > cutting edges additionally induction hardened, cutting edge hardness approx. 62 HRC
- > with two-colour dual component grips, black/grey
- > High-grade special tool steel, forged, multi stage oil-hardened

77 02 115 ESD
round head, with small bevel

77 12 115 ESD
round head, with bevel and lead catcher - no uncontrolled loss of cut wire ends

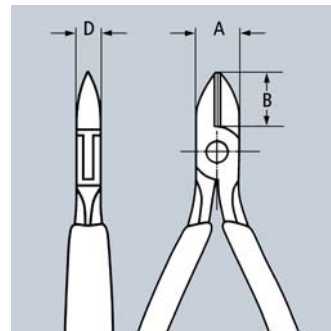
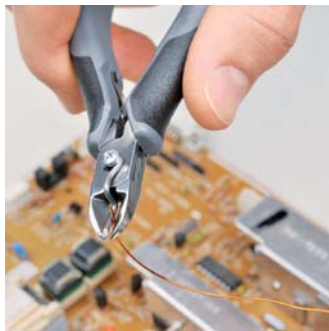
77 22 115 ESD
round head, without bevel

77 32 115 ESD
pointed head, with small bevel

77 42 115 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



Article No.	EAN 4003773-	↔ mm	Head	Handles	Cutting capacities			Dimensions			⚖ g
					Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	
77 02 115 ESD	025092	115	mirror polished	with multi-component grips	0.3 - 1.6	1.2	0.6	14.0	11.0	7.5	82
77 12 115 ESD	025108	115	mirror polished	with multi-component grips	0.3 - 1.6	1.2	0.6	14.0	11.0	7.5	80
77 22 115 ESD	025115	115	mirror polished	with multi-component grips	0.3 - 1.3	1.0		14.0	11.0	7.5	80
77 32 115 ESD	025122	115	mirror polished	with multi-component grips	0.3 - 1.3	1.0	0.5	14.0	11.0	7.0	79
77 42 115 ESD	031901	115	mirror polished	with multi-component grips	0.3 - 1.3	0.8		14.0	11.0	7.0	78
77 52 115 ESD	025139	115	mirror polished	with multi-component grips	0.3 - 1.0	0.8	0.5	11.5	14.0	7.0	79
77 72 115 ESD	024330	115	mirror polished	with multi-component grips	0.3 - 0.8			10.5	9.5	6.0	69

Electronics Diagonal Cutters

with inserted carbide metal cutting edges

DIN ISO 9654

77
H

- > 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

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



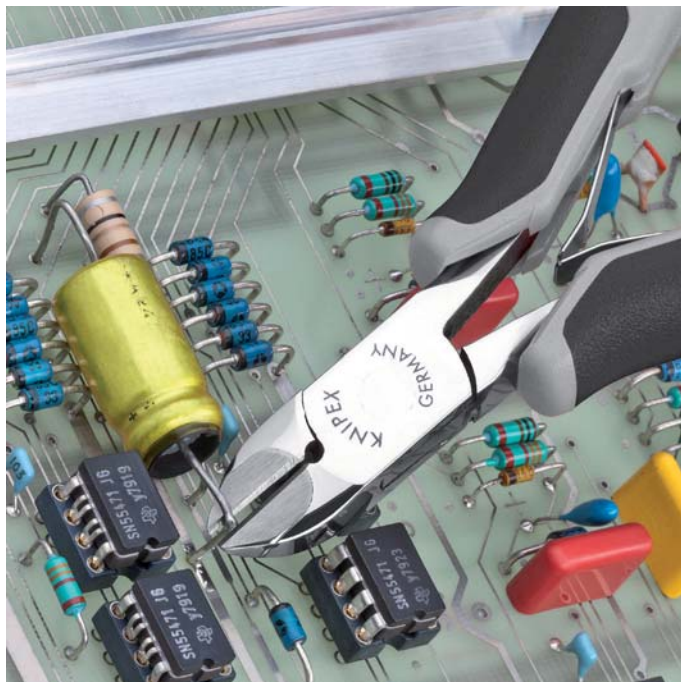
77 02 120 H
✳️ 🟢 🟢 📐 📏



77 02 135 H
✳️ 🟢 🟢 📐 📏



77 32 120 H ESD
⚠️ ✳️ 🟡 🟡 📐 📏



Inserted carbide metal cutting edges

Precision carbide metal cutting edges
soldered into forged blanks

Article No.	EAN 4003773-	↔ mm	✳️ 🟢 🟢 📐 📏	Head	Handles	Cutting capacities				Dimensions			
						Ø mm	Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	⚖️ g
77 02 120 H	075783	120	✳️ 🟢 🟢 📐 📏	mirror polished	with multi-component grips	2.0	1.4	1.0	0.6	14	11	7.5	85
77 02 120 H ESD	075813	120	⚠️ ✳️ 🟢 🟢 📐 📏	mirror polished	with multi-component grips	2.0	1.4	1.0	0.6	14	11	7.5	85
77 02 135 H	075806	135	✳️ 🟢 🟢 📐 📏	mirror polished	with multi-component grips	2.2	1.6	1.2	0.8	18	15	9.5	115
77 02 135 H ESD	075837	135	⚠️ ✳️ 🟢 🟢 📐 📏	mirror polished	with multi-component grips	2.2	1.6	1.2	0.8	18	15	9.5	115
77 32 120 H	075790	120	✳️ 🟡 🟡 📐 📏	mirror polished	with multi-component grips	1.6	1.0	0.6	0.2	14	11	7.5	80
77 32 120 H ESD	075820	120	⚠️ ✳️ 🟡 🟡 📐 📏	mirror polished	with multi-component grips	1.6	1.0	0.6	0.2	14	11	7	80

Electronics End Cutting Nippers

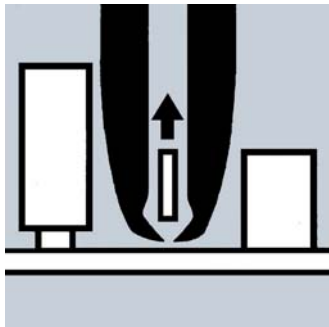
DIN ISO 5746

64

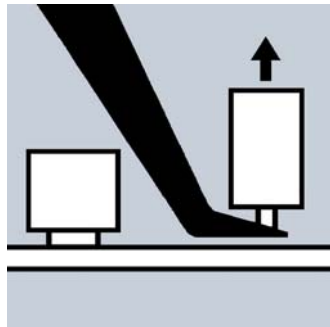
- > precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
- > sturdy, zero backlash box joint
- > low-friction double spring for gentle and even opening
- > the polish or mirror polish (only finish 2) together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > cutting edges additionally induction hardened, cutting edge hardness at least 56 HRC
- > High-grade special tool steel, forged, multi stage oil-hardened

- Style 0**
End Cutter, with bevel
- Style 2**
End Cutter, mini-blade with small bevel
- Style 3**
Oblique End Cutter, short head, with small bevel, $\alpha = 15^\circ$
- Style 4**
Oblique End Cutter, short head, with small bevel, $\alpha = 27^\circ$
- Style 5**
Oblique End Cutter, short head, without bevel, for flush cutting, $\alpha = 27^\circ$

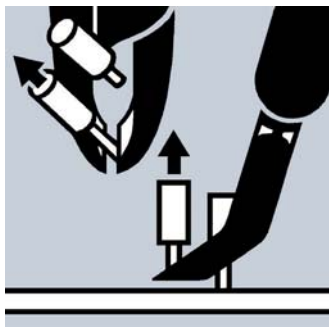
- Style 6**
Oblique End Cutter, mini-blade with small bevel, $\alpha = 65^\circ$
- Style 7**
Oblique End Cutter, mini-blade with small bevel, head with recess, $\alpha = 35^\circ$
- Style 1 / 64 11 115**
End Cutter, without bevel
- Style 1 / 64 12 115 / ESD**
End Cutter, with small bevel



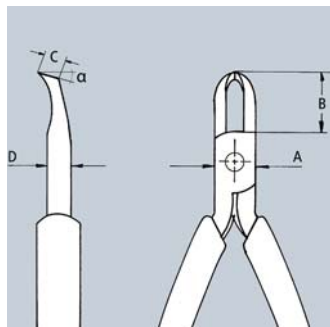
64 22 115



64 62 120



64 72 120



64 72 120



64 02 115
✂ $\angle 90^\circ$



64 12 115 ESD
 ✂ $\angle 90^\circ$



64 12 115
✂ $\angle 90^\circ$



64 22 115
✂ $\angle 90^\circ$



64 32 120
✂ $\angle 15^\circ$



64 42 115
✂ $\angle 27^\circ$



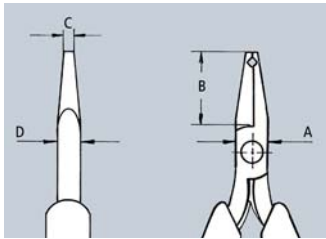
64 52 115
✂ $\angle 27^\circ$



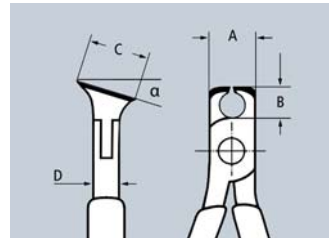
64 62 120
✂ $\angle 65^\circ$



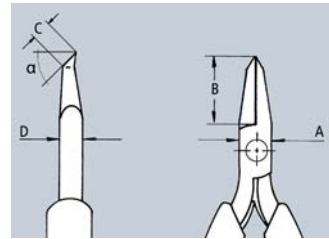
64 72 120
✂ $\angle 35^\circ$



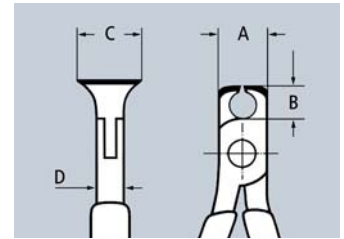
64 22 115



64 32/42/52



64 62 120



64 01/02/11/12

Article No.	EAN 4003773-	↔ mm		Style	Head	Handles	Cutting capacities			Dimensions				g
							Ø mm	Ø mm	Ø mm	A mm	B mm	D mm	C mm	
64 01 115	017745	115	∠90°	0	mirror polished	plastic coated	2.0	1.0	0.6	11.0	6.0	7.5	16.0	76
64 02 115	035343	115	∠90°	0	mirror polished	with multi-component grips	2.0	1.0	0.6	11.0	6.0	7.5	16.0	94
64 11 115	017769	115	∠90°	1	mirror polished	plastic coated	1.4	0.8		11.0	6.0	7.0	16.0	74
64 12 115	040743	115	∠90°	1	mirror polished	with multi-component grips	2.0	0.8	0.5	11.0	6.0	7.0	16.0	91
64 12 115 ESD	024323	115	∠90°	1	mirror polished	with multi-component grips	2.0	0.8	0.5	11.0	6.0	7.0	16.0	94
64 22 115	017806	115	∠90°	2	mirror polished	with multi-component grips	0.8			10.0	20.0	6.0	3.0	65
64 32 120	017820	120	∠15°	3	mirror polished	with multi-component grips	1.5	1.0	0.5	11.0	10.0	7.0	17.0	92
64 32 120 ESD	025078	120	∠15°	3	mirror polished	with multi-component grips	1.5	1.0	0.5	11.0	10.0	7.0	17.0	92
64 42 115	017844	115	∠27°	4	mirror polished	with multi-component grips	1.5	1.0	0.5	10.5	10.0	7.0	12.0	69
64 52 115	040439	115	∠27°	5	mirror polished	with multi-component grips	1.3			10.5	10.0	7.0	12.0	69
64 62 120	046998	120	∠65°	6	mirror polished	with multi-component grips	0.6			9.5	18.5	6.0	5.0	70
64 62 120 ESD	025085	120	∠65°	6	mirror polished	with multi-component grips	0.6			9.5	18.5	6.0	5.0	70
64 72 120	017882	120	∠35°	7	mirror polished	with multi-component grips	1.5			12.0	19.5	7.0	5.0	95

Electronics Oblique Cutting Nipper

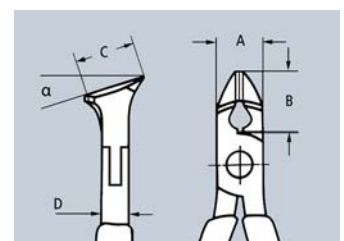
DIN ISO 9654

62
12

- > with cutting edges for soft and medium hard wire without bevel, for flush cutting
- > cutting edges additionally induction hardened, cutting edge hardness approx. 58 HRC
- > low-friction double spring for gentle and even opening
- > sturdy, zero backlash box joint
- > the polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > High-grade special tool steel, forged, multi stage oil-hardened



62 12 120
∠15°



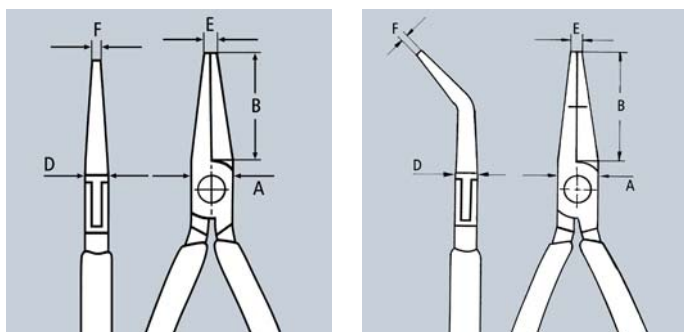
Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities			Dimensions				g
						Ø mm	Ø mm		A mm	B mm	D mm	C mm	
62 12 120	048008	120	∠15°	polished	with multi-component grips	0.3 - 1.0	0.7		11	10	7.5	17	93

Electronics Pliers

DIN ISO 9655

35

- > precision pliers for fine assembly work, e.g. in electronics and fine mechanics
- > for gripping, holding and bending
- > sturdy, zero backlash box joint
- > smooth ground gripping surfaces
- > edges carefully deburred
- > low-friction double spring for gentle and even opening
- > the polish or mirror polish (only finish 2) together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > Special tool steel, forged, oil-hardened

35 11 115
✳️ 35 22 115
✳️ 35 32 115
✳️ 8 35 42 115
✳️ $\angle 45^\circ$ 35 52 145
✳️ 35 62 145
✳️ 35 72 145
✳️ 8 35 82 145
✳️ $\angle 45^\circ$

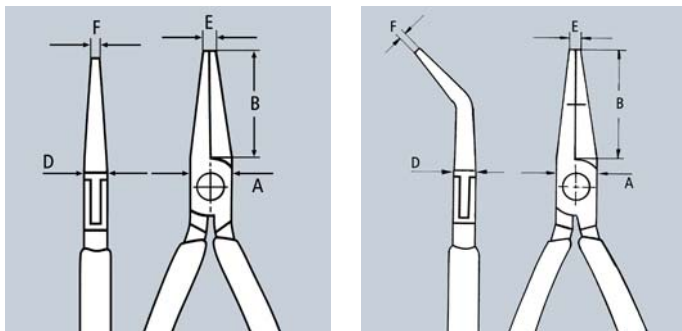
Article No.	EAN 4003773-	↔ mm		Head	Handles	Dimensions					
						B mm	A mm	D mm	E mm	F mm	
35 11 115	016694	115		mirror polished	plastic coated	22.5	9.5	6.5	2.0	4.0	61
35 12 115	035107	115		mirror polished	with multi-component grips	22.5	9.5	6.5	2.0	4.0	72
35 21 115	016724	115		mirror polished	plastic coated	22.5	9.5	6.5	2.0	1.5	59
35 22 115	035114	115		mirror polished	with multi-component grips	22.5	9.5	6.5	2.0	1.5	73
35 31 115	016762	115		mirror polished	plastic coated	22.5	9.5	6.5	2.0	1.0	58
35 32 115	035121	115		mirror polished	with multi-component grips	22.5	9.5	6.5	2.0	1.0	72
35 42 115	040736	115		mirror polished	with multi-component grips	22.5	9.5	6.5	2.0	1.5	74
35 52 145	039389	145		mirror polished	with multi-component grips	40.0	12.0	7.5	1.5	4.0	102
35 62 145	039556	145		mirror polished	with multi-component grips	40.0	12.0	7.5	2.5	1.5	103
35 72 145	043607	145		mirror polished	with multi-component grips	40.0	12.0	7.5	2.5	1.3	98
35 82 145	039396	145		mirror polished	with multi-component grips	35.0	12.0	7.5	2.5	1.0	102

Electronics Pliers ESD

DIN ISO 9655

35

- > precision pliers for fine 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
- > with two-colour dual component grips, black/grey
- > Special tool steel, forged, oil-hardened



35 12 115 ESD



35 22 115 ESD



35 32 115 ESD



35 42 115 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



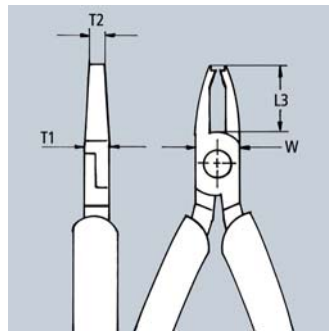
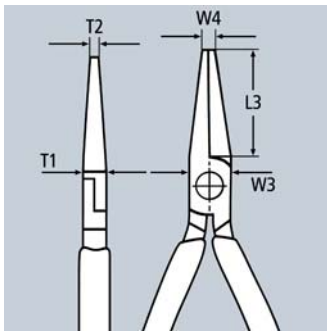
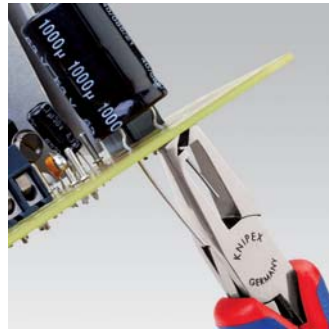
Article No.	EAN 4003773-	↔ mm		Head	Handles	Dimensions					⚖ g
						B mm	A mm	D mm	E mm	F mm	
35 12 115 ESD	024835	115		mirror polished	with multi-component grips	22.5	9.5	6.5	2.0	4.0	74
35 22 115 ESD	024842	115		mirror polished	with multi-component grips	22.5	9.5	6.5	2.0	1.5	74
35 32 115 ESD	024859	115		mirror polished	with multi-component grips	22.5	9.5	6.5	2.0	1.0	70
35 42 115 ESD	024866	115		mirror polished	with multi-component grips	22.5	9.5	6.5	2.0	1.5	74


Electronics Mounting Pliers

DIN ISO 5743


36

- > 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
- > High-grade special tool steel, forged, oil-hardened



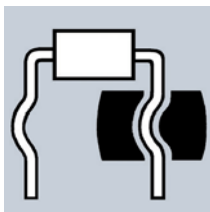
36 12 130




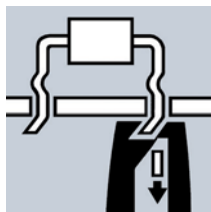
36 22 125




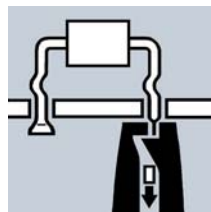
36 32 125







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

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities		Dimensions					
						 Ø mm	mm	L3 mm	W mm	T1 mm	W1 mm	T2 mm	 g
36 12 130	016861	130		mirror polished	with multi-component grips			23.0	12.0	9.5	5.5	6.0	94
36 22 125	046967	125		mirror polished	with multi-component grips	1.2		18.0	11.5	7.5	7.5	2.6	94
36 32 125	016885	125		mirror polished	with multi-component grips	1.0		18.0	11.5	7.5	7.5	4.0	108

Electronics Pliers Sets

for working on electronic components

00
20

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 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



Article 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 / screwdrivers 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 / screwdrivers 0.4 x 2.5 / 0.5 x 3.0 / 0.6 x 3.5 / 0.8 x 4.0 / PH0 / PH1	465

Precision Tweezers

92

- > smooth gripping surfaces
- > non-reflective matt finish

92 02 53

for SMD-technology*; angled tips, width approx. 1 mm; gripping surfaces matt finish for optimum grip; Chrome nickel steel: stainless, anti-magnetic (18/10), very popular electronics quality

92 02 54

for SMD-technology*; angled tips, width approx. 1 mm; with integrated profile for reliable gripping of cylindrical components of 0.6 mm dia.; gripping surfaces matt finish for optimum grip; Chrome nickel steel: stainless, anti-magnetic (18/10), very popular electronics quality

92 02 55

gripping jaws 3.5 mm wide, for cylindrical components of 0.8 mm dia.; serrated handles; stainless, anti-magnetic and acid-proof

92 12 52

angled tips; extra strong tips; stainless, anti-magnetic



92 02 53
✳️ ∠45°



92 02 54
✳️ ∠45°



92 02 55
✳️



92 12 52
✳️ ∠85°

Article No.	EAN 4003773-	↔ mm		Finish	⚖ g
92 02 53	054603	120	✳️ ∠45°	stainless, anti-magnetic	16
92 02 54	054610	120	✳️ ∠45°	stainless, anti-magnetic	15
92 02 55	054627	115	✳️	stainless, anti-magnetic, acid-proof	16
92 12 52	054658	120	✳️ ∠85°	stainless, anti-magnetic	20

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

Precision Tweezers

pointed shape

92

- > for fine mounting work
- > straight pattern
- > smooth gripping surfaces
- > particularly slim tips

92 22 04

non-reflective matt finish; gripping surfaces matt finish for optimum grip; Chrome nickel steel: stainless, anti-magnetic (18/10), very popular electronics quality

92 22 06

non-reflective matt finish; gripping surfaces matt finish for optimum grip; Chrome nickel steel: stainless, anti-magnetic (18/10), very popular electronics quality

92 22 07

non-reflective matt finish; Chrome nickel steel; stainless, anti-magnetic and acid-proof

92 23 05

Titanium; electrically conductive; lightweight; non-reflective matt finish; stainless, anti-magnetic and acid-proof

92 24 01

Spring steel; mirror finish nickel plated and polished



92 22 04
✳️



92 22 06
✳️



92 22 07
✳️



92 23 05
✳️



92 24 01
✳️

Article No.	EAN 4003773-	↔ mm		Finish	⚖ g
92 22 04	054665	130	✳️	stainless, anti-magnetic	20
92 22 06	054672	120	✳️	stainless, anti-magnetic	15
92 22 07	054689	115	✳️	stainless, anti-magnetic, acid-proof	12
92 23 05	054726	120	✳️	Titanium, anti-magnetic, acid-proof, stainless	10
92 24 01	054733	120	✳️	nickel plated	15

Precision Tweezers
needle-pointed shape

92

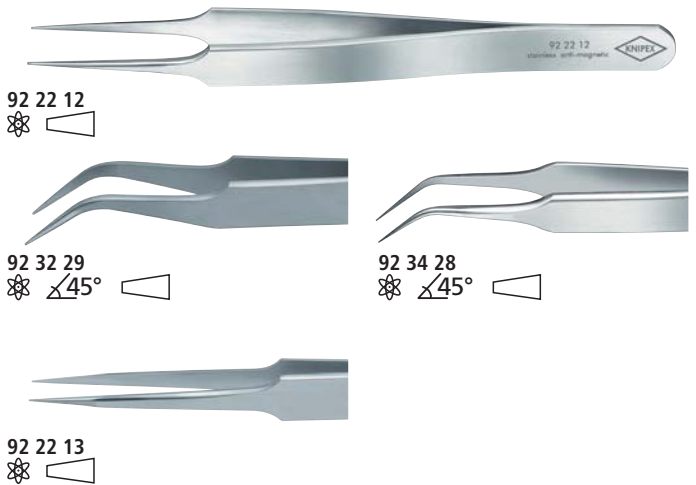
- > for ultra fine mounting work
- > extra fine tips
- > smooth gripping surfaces
- > stainless, anti-magnetic
- > non-reflective matt finish

92 22 12
straight pattern

92 22 13
American shape, solid; straight pattern; stainless, anti-magnetic and acid-proof

92 32 29
sickle-shaped tips; Chrome nickel steel: stainless, anti-magnetic (18/10), very popular electronics quality; gripping surfaces matt finish for optimum grip

92 34 28
angled tips



Article No.	EAN 4003773-	↔ mm		Finish	g
92 22 12	054696	105		stainless, anti-magnetic	13
92 22 13	054702	135		stainless, anti-magnetic, acid-proof	21
92 32 29	054818	120		stainless, anti-magnetic	16
92 34 28	054825	105		stainless, anti-magnetic	12

Precision Tweezers
with centering pin pointed shape

92

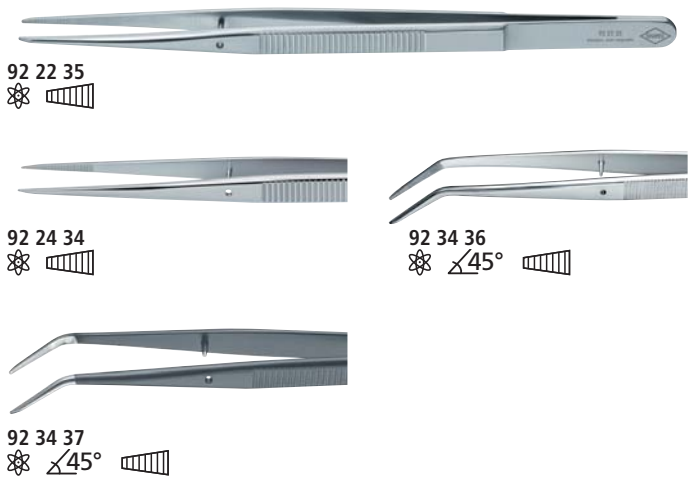
- > universally applicable
- > narrow tips
- > gripping surfaces with fine transverse serration
- > serrated handles

92 22 35
straight pattern; non-reflective matt finish; stainless, anti-magnetic and acid-proof

92 24 34
straight pattern; nickel plated

92 34 36
angled tips; nickel plated

92 34 37
angled tips; black non-reflective lacquered



Article No.	EAN 4003773-	↔ mm		Finish	g
92 22 35	054719	155		stainless, anti-magnetic, acid-proof	22
92 24 34	054740	155		nickel plated	21
92 34 36	054832	155		nickel plated	23
92 34 37	054849	155		black lacquered	21

Precision Tweezers
round slim shape

92

- > round tips, approx. 2 mm wide
- > smooth gripping surfaces
- > stainless, anti-magnetic and acid-proof
- > Chrome nickel steel, stainless, anti-magnetic, acid-proof



Article No.	EAN 4003773-	↔ mm		Finish	g
92 52 23	054894	120		stainless, anti-magnetic, acid-proof	17

Precision Tweezers

blunt shape

92

- > universally applicable
- > straight pattern
- > wide, round tips
- > serrated handles

92 44 42

jewellers' tweezers; round tips, approx. 2 mm wide; gripping jaws with fine crosswise serration (cross-hatched); nickel plated

92 64 43

round tips, approx. 3 mm wide; gripping surfaces with fine transverse serration; nickel plated

92 64 44

round tips, approx. 3.5 mm wide; gripping surfaces with fine transverse serration; nickel plated

92 70 46

round tips, approx. 3.5 mm wide; gripping surfaces with fine transverse serration; black non-reflective lacquered

92 72 45

round tips, approx. 3.5 mm wide; serrated gripping surfaces; nonreflective matt finish; stainless, anti-magnetic and acid-proof



92 44 42
✳️ [cross-hatched icon]



92 64 43
✳️ [serrated icon]



92 64 44
✳️ [serrated icon]



92 70 46
✳️ [serrated icon]



92 72 45
✳️ [serrated icon]

Article No.	EAN 4003773-	↔ mm		Finish	⚖ g
92 44 42	054887	140	✳️ [cross-hatched icon]	nickel plated	21
92 64 43	054917	120	✳️ [serrated icon]	nickel plated	17
92 64 44	054924	145	✳️ [serrated icon]	nickel plated	23
92 70 46	055075	145	✳️ [serrated icon]	black lacquered	26
92 72 45	054962	145	✳️ [serrated icon]	stainless, anti-magnetic, acid-proof	27

Plastic Tweezers

92

- > trapezoidal tips, approx. 3.5 mm wide
- > knurled gripping surfaces
- > serrated handles
- > tweezers body: solid plastic, temperature-resistant up to 130°C



92 69 84
✳️ [knurled icon]

Article No.	EAN 4003773-	↔ mm		Finish	⚖ g
92 69 84	054948	130	✳️ [knurled icon]	plastic	19

Precision Tweezers

rectangular blunt

92

- > mounting tweezers
- > rectangular tips, approx. 0.9 mm wide
- > gripping surfaces with fine transverse serration
- > nickel plated
- > Spring steel, high-strength



92 84 18
✳️ [serrated icon]

Article No.	EAN 4003773-	↔ mm		Finish	⚖ g
92 84 18	054986	125	✳️ [serrated icon]	nickel plated	19

Cross-Over Tweezers

92

- > for holding small parts without finger pressure
- > for efficient clamping
- > nickel plated
- > Spring steel, high-strength

92 94 91

for ultra fine mounting work; extra fine tips; straight pattern; gripping surfaces matt finish for optimum grip

92 37 64

angled tips; gripping surfaces with fine transverse serration

92 67 63

straight pattern; serrated gripping surfaces

92 27 62

straight pattern; gripping surfaces with fine transverse serration

Article No.	EAN 4003773-	↔ mm		Finish	⚖ g
92 94 91	055006	160		nickel plated	35
92 95 89	055013	160		nickel plated	30
92 95 90	055020	160		nickel plated	32



92 94 91



92 95 89



92 95 90

Precision Tweezers

insulated
IEC 60900

92

- > tested according IEC 60900
- > with dipped insulation
- > nickel plated
- > Spring steel, high-strength

92 27 61

for ultra fine mounting work; extra fine tips; straight pattern; gripping surfaces matt finish for optimum grip

92 27 62

straight pattern; gripping surfaces with fine transverse serration

92 37 64

angled tips; gripping surfaces with fine transverse serration

92 67 63

straight pattern; serrated gripping surfaces



92 27 61



92 27 62



92 37 64



92 67 63

Article No.	EAN 4003773-	↔ mm		Finish	⚖ g
92 27 61	054757	130		with dipped insulation	32
92 27 62	054764	150		with dipped insulation	35
92 37 64	054856	150		with dipped insulation	34
92 67 63	054931	145		with dipped insulation	43

Precision Tweezers ESD

92

- > Chrome nickel steel: stainless, anti-magnetic (18/10), very popular electronics quality
- > ESD coating: non-reflective black, with a surface resistance of approx. 10⁵ Ohm
- > tips non-reflective brushed
- > gripping surfaces matt finish for optimum grip
- > Chrome nickel steel, stainless, anti-magnetic

92 08 78 ESD

for SMD-technology*; angled tips; smooth gripping surfaces

92 08 79 ESD

shaped to grip horizontal cylindrical components of 1.0 mm dia.; smooth gripping surfaces; serrated handles

92 28 69 ESD

straight pattern; strong tip; smooth gripping surfaces

92 28 70 ESD

straight pattern; fine tip; smooth gripping surfaces

92 28 71 ESD

needle-pointed tips; straight pattern; smooth gripping surfaces

92 28 72 ESD

American shape, solid; long tips; straight pattern; smooth gripping surfaces

92 38 75 ESD

sickle-shaped tips; smooth gripping surfaces

92 58 74 ESD

round tips, approx. 2 mm wide; straight pattern; smooth gripping surfaces

92 78 77 ESD

round tips, approx. 3.5 mm wide; straight pattern; serrated gripping surfaces; serrated handles

92 88 73 ESD

rectangular tips, approx. 0.9 mm wide; gripping surfaces with fine transverse serration



92 08 78 ESD



92 08 79 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



92 88 73 ESD

Article No.	EAN 4003773-	↔ mm		Finish	g
92 08 78 ESD	054634	120		stainless, anti-magnetic, electrically dissipative	16
92 08 79 ESD	054641	120		stainless, anti-magnetic, electrically dissipative	16
92 28 69 ESD	054771	130		stainless, anti-magnetic, electrically dissipative	20
92 28 70 ESD	054788	110		stainless, anti-magnetic, electrically dissipative	13
92 28 71 ESD	054795	110		stainless, anti-magnetic, electrically dissipative	14
92 28 72 ESD	054801	135		stainless, anti-magnetic, electrically dissipative	22
92 38 75 ESD	054863	120		stainless, anti-magnetic, electrically dissipative	17
92 58 74 ESD	054900	120		stainless, anti-magnetic, electrically dissipative	19
92 78 77 ESD	054979	145		stainless, anti-magnetic, electrically dissipative	27
92 88 73 ESD	054993	130		stainless, anti-magnetic, electrically dissipative	20

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



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