

KNIPEX Precision Electronics Pliers

The assortment for highest demands

NEW

- High Precision
- Long Service Life
- Ergonomic Design



KNIPEX Precision Electronics Pliers

▶ joint with screw: precise, zero-backlash operation of the pliers

▶ precisely finished joint surfaces for smooth, low friction movement along the complete opening range

▶ low friction double spring for smooth operation

▶ non-reflective finish
▶ low weight

79 Precision Electronics Diagonal Cutters



79 02 125
round head with
very small bevel



79 32 125
pointed head with
very small bevel



79 02 120
round mini-head with
very small bevel



79 02 120 ESD
round mini-head with
very small bevel

- ▶ precision pliers for ultra fine cutting, e. g. in electronics and fine mechanics
- ▶ cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC
- ▶ diagonal cutter available with very small bevel or without bevel

Model 79 22 120/79 22 120 ESD:

- ▶ round mini-head without bevel

Model 79 22 125/79 22 125 ESD:

- ▶ round head without bevel

Model 79 42 125/79 42 125 ESD:

- ▶ pointed head without bevel



with very small bevel
(external bevel)



without bevel
(external bevel)

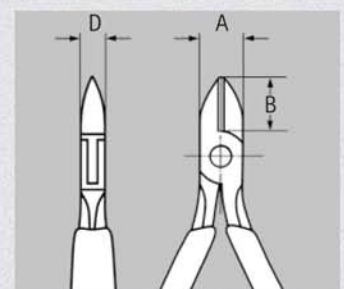


79 32 125: pointed head for optimum access in confined areas for the removal of components



79 22 120: mini-head without bevel for flush cutting

Article-No.	EAN-Code	Style	Dimensions			Cutting capacities			g
			B	A	D	○ mm	◐ mm	◑ mm	
Length mm	4003773-	all Pliers with	mm	mm	mm	ø mm	ø mm	ø mm	
79 02 125	061281	0	10.0	11.0	6.5	0.2-1.5	0.80	0.5	60
79 02 125 ESD	061519	Head round	10.0	11.0	6.5	0.2-1.5	0.80	0.5	60
79 22 125	061342	2	10.0	11.0	6.5	0.1-1.2	0.65	-	60
79 22 125 ESD	061533	Head round	10.0	11.0	6.5	0.1-1.2	0.65	-	60
79 32 125	061366	3	10.5	11.0	6.5	0.2-1.3	0.70	0.4	60
79 32 125 ESD	061557	Head pointed	10.5	11.0	6.5	0.2-1.3	0.70	0.4	60
79 42 125	061380	4	10.5	11.0	6.5	0.1-1.0	0.55	-	60
79 42 125 ESD	061571	Head pointed	10.5	11.0	6.5	0.1-1.0	0.55	-	60
79 02 120	061403	0	7.0	10.0	6.5	0.2-1.0	0.55	0.3	60
79 02 120 ESD	061595	Head mini	7.0	10.0	6.5	0.2-1.0	0.55	0.3	60
79 22 120	061427	2	7.0	10.0	6.5	0.1-0.8	0.40	-	60
79 22 120 ESD	061618	Head mini	7.0	10.0	6.5	0.1-0.8	0.40	-	60



- soft wire
- medium hard wire
- hard wire

▶ ergonomically shaped, two-colour dual component handles, blue/grey (ESD version: black/grey)

▶ high quality ball bearing steel, forged

34 Precision Electronics Gripping Pliers



34 12 130
flat, rectangular jaws



34 22 130
half-round jaws



34 32 130
round, pointed jaws

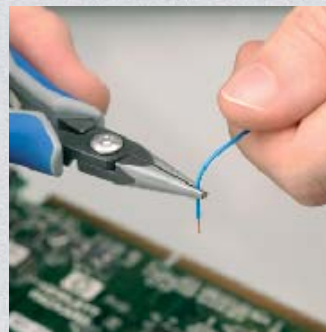


34 32 130 ESD
round, pointed jaws

- ▶ precision pliers for ultra fine assembly work, e. g. in electronics and fine mechanics
- ▶ for gripping, holding and bending
- ▶ smooth ground gripping surfaces
- ▶ edges carefully deburred



34 22 130: positioning of components in electronics



34 22 130: half-round tips for bending and forming

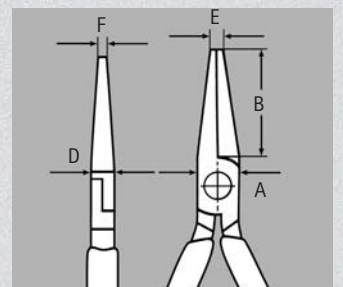


When using pliers on components endangered by electrostatic discharge (ESDS – electro static discharge sensitive devices) relevant regulations and standards (e. g. IEC TR 61340-5, DIN EN 61340-5) require a controlled discharge of electric energy through the handles of such pliers. The KNIPEX Electronics Pliers in ESD version discharge the electrostatic energy correspondingly slowly and under control to protect endangered components.



34 12 130: location of electronic components in a vertical direction

Article-No.	EAN-Code	Style	Dimensions						Weight
			B	A	D	E	F	Length	
		all pliers with 	mm	mm	mm	mm	mm	mm	g
34 12 130	061458	1 	19.0	11.0	6.5	1.5	3.5	135	60
34 12 130 ESD	061632	1 	19.0	11.0	6.5	1.5	3.5	135	60
34 22 130	061472	2 	19.0	11.0	6.5	1.5	1.5	135	60
34 22 130 ESD	061656	2 	19.0	11.0	6.5	1.5	1.5	135	60
34 32 130	061496	3 	21.0	11.0	6.5	2.0	1.0	135	60
34 32 130 ESD	061670	3 	21.0	11.0	6.5	2.0	1.0	135	60



KNIPEX Precision Electronics Pliers

for highest standards of performance and results

Precision

The Cutting Edges

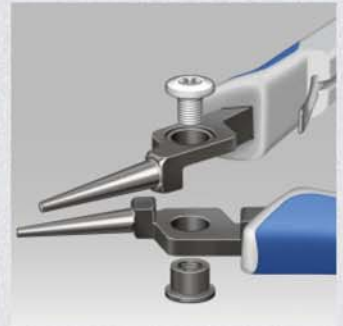
Sharp cutting edges ground on high-precision machinery cut through the finest materials in all kinds of strengths easily, exactly and reliable.



Precision Screw Joint

The precisely machined surfaces allow a smooth, low-friction movement throughout the entire opening space of the handles.

Self-locking screws ensure zero backlash in the lap joint. The deeply recessed screw heads do not hinder or impair work in confined areas.



Long service life and stress tolerance

Ball bearing steel

The pliers are made from best quality alloyed ball bearing steel. This makes them highly flexible and tough. They are able to withstand the highest levels of stress.

Forged blanks

Forging is the optimum process for producing dynamically stressed steel parts. The closed material texture of parts manufactured in this way assure the best results in terms of durability.

Hardening

Induction hardening zones optimised on modern, computer-controlled hardening equipment leads to superior stress resistance and cutting edge life and high resistance to breaking. The pliers' cutting edges have a hardness of approx. 64 HRC.



Ergonomics + Design

The Handles

The ergonomics of the two-colour dual component handles were optimised to suit the motion sequence during precision work. The shape and materials chosen allow a secure

grip and fatigue reduced work. The strain on the hand is distributed over a larger surface and reduces pressure accordingly. The user still retains the sense for the work on the workpiece.

Low-friction Opening Spring

The opening spring locates the light electronics pliers reliable in the palm of the hand. This carefully supports the contact with the hand and allows the pliers to open and close smoothly.



Greater contact at the ball of the thumb

Distributed by:

L100 01694/01/02.06/10.000/GB

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