



6024

USE SAFETY GLASSES
max. 0.40V (1mm) dia. copper

175 IT ESD SAFE
Ideal-Tek

Ideal-Tek
6041

6041

6021

High Precision Cutters & Pliers

- High quality ball bearing steel
- 63 - 65 Rockwell Hardness (HRC): Pyrometer controlled inductive hardening
- All cutters available in three types of cutting blades:
 - SEMI-FLUSH, for soft and hard wire.
 - FLUSH, for very precise cutting of soft wire.
 - FULL-FLUSH, for a perfect cutting of soft wire.

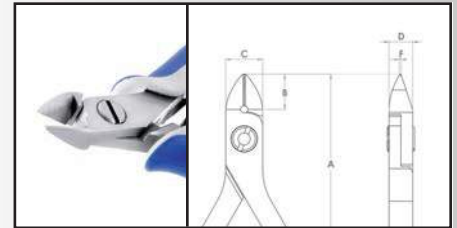


- 2-Component ESD Ergonomic handles, soft comfortable gripping surface, hard plastic core.
- Dual leaf springs in stainless steel
- Lap joint with screw in order to achieve a high level of strength and precision. The nut is made of hardened alloy steel to resist high cutting load. The screw is fine-pitched for perfect joint adjustment.

The Cutters

- Oval

Small: robust, slim shape, an optimum balance between durability and accessibility.
Big: very strong and durable, for intensive cutting operations.

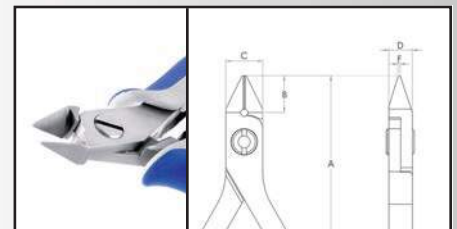


Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5140	123	10	10	6.4	0.5	Semi-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19
5141	123	10	10	6.4	0.5	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19
5142	123	10	10	6.4	0.5	Full-flush	0.1-1.0 / 38-18	0.1-0.9 / 38-19	0.1-0.8 / 38-20	0.1-0.7 / 38-21
5150	125	12.5	12.5	6.4	0.5	Semi-flush	0.3-1.6 / 29-14	0.3-1.5 / 29-15	0.3-1.4 / 29-15	0.3-1.3 / 29-16
5151	125	12.5	12.5	6.4	0.5	Flush	0.2-1.6 / 32-14	0.2-1.5 / 32-15	0.2-1.4 / 32-15	0.2-1.3 / 32-16
5152	125	12.5	12.5	6.4	0.5	Full-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19

- Tapered

Small: pointed head shape, slim and optimum balance between durability and accessibility.
Big: robust and versatile. Pointed head shape to increase accessibility when limited space.

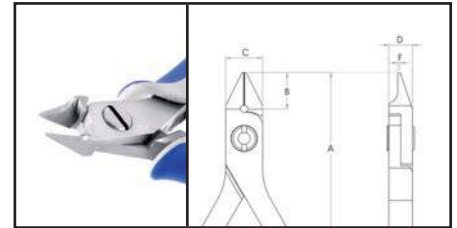


Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5340	123	10	10	6.4	0.5	Semi-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19
5341	123	10	10	6.4	0.5	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19
5342	123	10	10	6.4	0.5	Full-flush	0.1-1.0 / 38-18	0.1-0.9 / 38-19	0.1-0.8 / 38-20	0.1-0.7 / 38-21
5350	125	12.5	12.5	6.4	0.5	Semi-flush	0.3-1.6 / 29-14	0.3-1.5 / 29-15	0.3-1.4 / 29-15	0.3-1.3 / 29-16
5351	125	12.5	12.5	6.4	0.5	Flush	0.2-1.6 / 32-14	0.2-1.5 / 32-15	0.2-1.4 / 32-15	0.2-1.3 / 32-16
5352	125	12.5	12.5	6.4	0.5	Full-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19

- Tapered and relieved

Pointed head shape and deep relief for a very low profile to maximize accessibility when limited space.

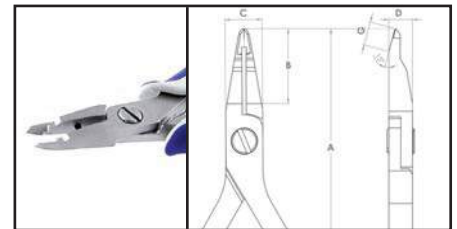


Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5540	123	10	10	6.4	0.5	Semi-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19
5541	123	10	10	6.4	0.5	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19
5542	123	10	10	6.4	0.5	Full-flush	0.1-0.8 / 38-20	0.1-0.9 / 38-19	0.1-0.8 / 38-20	0.1-0.7 / 38-21

- Micro Tip 15°cutters

Long, narrow jaws. Sharp edges for cutting at the very tip. Deep relief for an exceptionally low profile.

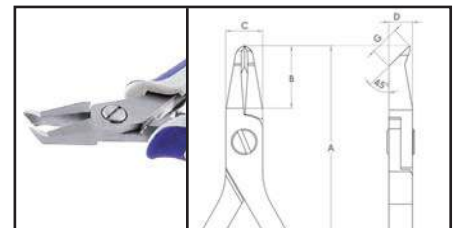


Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	G [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5233	136	23.2	10	6.4	0.5	5.2	Full Flush	0.1-0.8 / 38-20	0.1-0.7 / 38-21	0.1-0.6 / 38-23	0.1-0.5 / 38-25

- Angle 50° cutters

Angulated and relieved cutter to maximize accessibility and visibility when limited space.

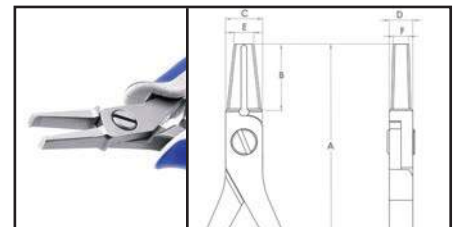


Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	G [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5247	132	19.2	10	6.4	0.5	6.5	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19

- Front cutters

Tip cutters for vertical tip cutting.



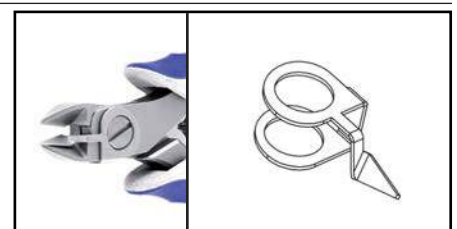
Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5291	113	18.5	10	6.4	6.4	4.3	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19

Wire Lead Catchers

Wire Lead Catcher, made of stainless steel AISI 304, for our high precision cutters with 10mm box or 12.5mm box. Packed in box of 20 bags in minigrip of 5 (Total 100 pcs).

Art. No.	Description
WLC100	100 pcs; for cutters with box joint of 10mm
WLC125	100 pcs; for cutters with box joint of 12.5mm

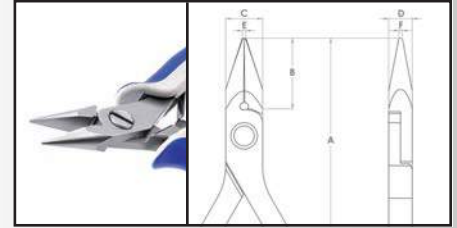


The Pliers

- Snipe nose

Commonly used in electronic assembly and rework, as well as in fine jewellery and beading work. Long bent nose pliers have flat-faced inner jaws.

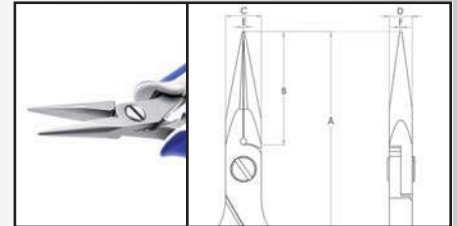
Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6021	133	20	10	6.4	1.2	1.0	smooth
6022	133	20	10	6.4	1.2	1.0	serrated



- Snipe nose long

Commonly used in electronic assembly and rework, as well as in fine jewellery and beading work. Pliers nose have flat-faced inner jaws.

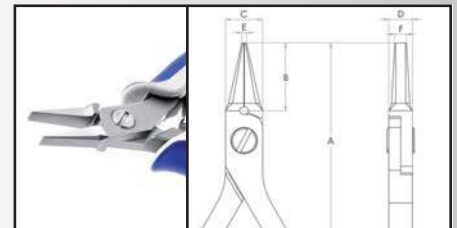
Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6023	143	30	10	6.4	1.2	1.0	smooth
6024	143	30	10	6.4	1.2	1.0	serrated



- Flat nose

Flat nose pliers feature a very fine tip, smooth jaws and inner edges.

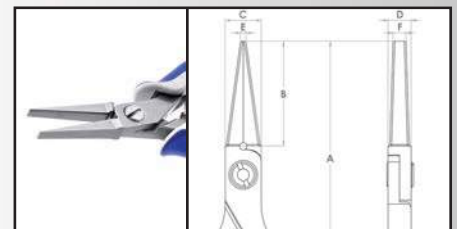
Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6011	133	20	10	6.4	1.2	4.0	smooth
6012	133	20	10	6.4	1.2	4.0	serrated



- Flat nose long

Flat nose pliers feature a very fine tip, smooth jaws and inner edges.

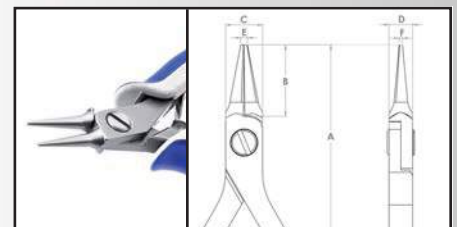
Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6013	143	30	10	6.4	1.5	3.6	smooth
6014	143	30	10	6.4	1.5	3.6	serrated



- Round nose

Round nose pliers have jaws formed by two long cones. A round nose pliers is generally used both to clamp and to form loops on leads or wire. The long jaws also provide increased access.

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6041	133	20	10	6.4	2.0	1.0	Very fine



Microshears and Cutters

Carefully crafted precision cutting blades combine seamlessly with curved, palm shaped, handles to deliver effortless lead cutting and user comfort.

Features:

- Comfortable, Ergonomic design
- ESD safe to protect sensitive components
- Responsive spring-back action for quick, comfortable cutting of multiple leads
- Thin profile design to reach tight areas in electronics assembly
- Available with a permanently attached safety guard to reduce the risk of lead fly-off

MOQ : 10 pcs



175

- Safety lead catcher
- Requires 50% less cutting effort
- Light weight. Flush-cuts off wire (copper, nickel, etc) up to 1mm diameter
- Thin profile for tight and hard-to-reach areas
- Hardened carbon steel

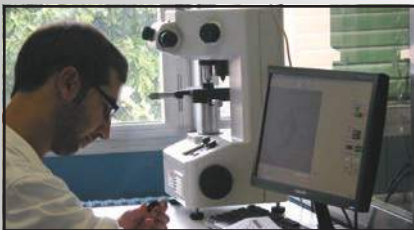
MOQ : 10 pcs



C-18

Flush cutter with extra sharp cutting edges for very delicate work.

Inspections quality test procedures



metallographic laboratory



hardness test



hardness profile report



visual inspection



cutting capacity and life expectancy



Fmax (N) needed to cut a 1mm Ø copper wire