



Careful choice of raw materials

We carefully select different high alloy carbon and chrome vanadium steels to match the varying demands of each product.



Hot drop forged blanks

Hot drop forging gives maximum strength to our tools through optimising the grain structure.



Spot welded double leaf springs

Spot welded springs mean that no replacements or adjustments are necessary. The action of each pair of pliers will be consistent and controlled with no maintenance costs.



Mirror polished surface

The micro-fine steel surface provides an attractive finish with no risk of flaking chrome plate which could damage circuits and components.



Precision box joint

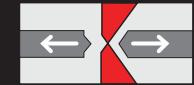
The box joint construction of our pliers and cutters is a specialised technique which physically slots one half of the plier through the other. Although more difficult to manufacture, the doubly supported pivot gives smooth and accurate action, longer product life, and removes the requirement for readjustment.



Cutting Edges

The geometry of the cutting blade affects both the cutting action and performance, and the lifetime of the product. The sharper the angle, the fewer cutting forces are generated.

Reduced cutting forces not only lead to a smoother and easier feeling cut, but also limits potentially damaging pressure or 'cutting shock' to sensitive components. There is a trade-off however. The blade will wear more quickly and the cutting capacity will be lower.



Mini Bevel

Standard cut.
Highest cutting capacity.
Robust and long lasting.



Full Flush

Almost full flush cutting.
Cutting shock slightly reduced.



Extra Full Flush

Perfectly flush cutting.
Suitable for non-shock cutting.

Wire definitions		
	Piano Wire	Hardened spring steel 2200-2300 N/mm ²
	Hard Wire	Spring steel, steel nails 1600-1800 N/mm ²
	Medium Hard Wire	Iron, nails 750-800 N/mm ²
	Soft Wire	Copper, aluminium 220-250 N/mm ²

N/mm² = tensile strength of wire

A Mini Bevel cutter will have the longest life and the highest cutting capacity, but the cutting forces generated are the highest. For applications where non-shock cutting is required the Extra Full Flush cutter should be used. For a compromise between cutting capacity, longevity and cutting shock we recommend the Full Flush cutter.

SENSOPLUS ESD
precision

Key

	Mini Bevel cut	T3770D T3780DF T3773D T3773DF T3770EF T3780DF T3880DF T3880DEF T3782D T3782DEF T3781D T3781DF T3780DF T3760DEF T3790DF T3790DEF T3780DF T3780DEF T3771D T3771DF T3772D T3772DF T3770D T3770DF T3783D T3783DF	T3771D T3771DF T3772D T3772DF T3770D T3770DF T3783D T3783DF	T3779 T3775 T3773 T3773DF T3770F T3780F T3781 F3781DF T3770F T3770DF T3771D T3771DF T3772D T3772DF T3770D T3770DF T3783D T3783DF
	Full Flush cut (F)	• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •
	Extra Full Flush cut (EF)	• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •
	Smooth jaws			• • • • •
	Serrated jaws		• • • • •	• • • • •
	For use in environments where ESD compliance is required	• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •
	With wire catch		• •	
	Tungsten-carbide cutting edges	• • •		•
	Piano Ømm AWG	• • •		•
	Hard Ømm AWG	• • • •	• •	• • • • • •
	Medium/Hard Ømm AWG	• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •
	Soft Ømm AWG	• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •

Pliers & Cutters

designed for professionals



Pliers & Cutters

The range of Sensoplus ESD pliers and cutters are designed for use by electronics professionals.

All of the products use the ergonomically designed, dual-component Sensoplus handle, are fully ESD compliant and are constructed using box-joint for longevity and consistent performance. The cutting edges are induction hardened for long life.



3703D 6 piece
pliers set

Item Number



T3703D 6 piece pliers set

Contains: T3773D 115 Side Cutter, T3880DF 110 Side Cutter, T3766DF 110 Side Cutter, T3786DF 120 Oblique Tip Cutter, T3772D 120 Snipenose Plier, T3770D 120 Flatnose Plier.

Key

	Mini Bevel cut
	Full Flush cut (F)
	Extra Full Flush cut (EF)
	Smooth jaws
	Serrated jaws
	For use in environments where ESD compliance is required
	With wire catch
WC	Tungsten-carbide cutting edges
	Piano Ømm AWG
	Hard Ømm AWG
	Medium/Hard Ømm AWG
	Soft Ømm AWG

We offer cutters with tungsten carbide edges integrated into the head to cope with the extreme demands of cutting extra hard or tough materials e.g. piano, nickel and diode wires, that are used increasingly commonly in today's electronics and aerospace industries.



3779D Side cutter

DIN EN 61340 5.1 & 5.2

Item Number



T3779D 115 2.0/12 1.0/18 0.6/22 **WC**



Tungsten-carbide edges.



3787D Side cutter

DIN EN 61340 5.1 & 5.2

Item Number



T3787DF 115 1.8/13 0.8/20 0.4/26 **F**



Tungsten-carbide edges, relieved jaws.



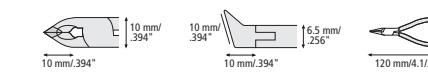
3760D Oblique cutter

DIN EN 61340 5.1 & 5.2

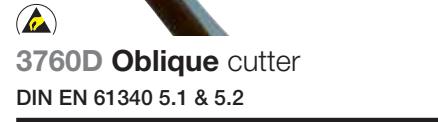
Item Number



T3760DF 110 2.0/12 1.0/18 0.6/22 **F**



Tungsten-carbide edges.



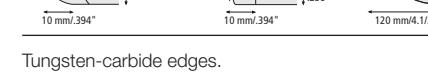
3773D Side cutter

DIN EN 61340 5.1 & 5.2

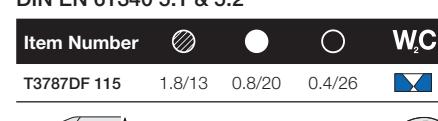
Item Number



T3773D 115 1.5/15 1.0/18 0.4/26 **WC**



With wire catch.



3880D Side cutter

DIN EN 61340 5.1 & 5.2

Item Number



T3880DF 110 1.5/15 0.8/20 – **F**



Tungsten-carbide edges, relieved jaws.



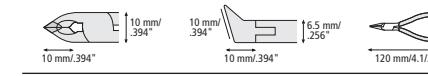
3780D Side cutter

DIN EN 61340 5.1 & 5.2

Item Number



T3780DF 110 1.5/15 0.8/20 – **F**



With wire catch.



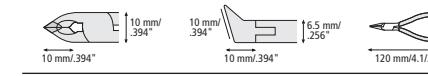
3781D Side cutter

DIN EN 61340 5.1 & 5.2

Item Number



T3781D 115 1.5/15 1.0/18 0.3/28 **WC**



Relieved jaws.



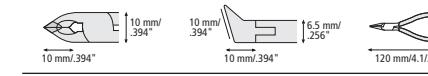
3766D Side cutter

DIN EN 61340 5.1 & 5.2

Item Number



T3766DF 110 1.5/15 0.8/20 – **F**



Relieved jaws.



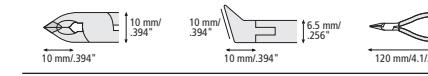
3782D Side cutter

DIN EN 61340 5.1 & 5.2

Item Number



T3782D 115 1.5/15 1.0/18 0.4/26 **WC**



With wire catch.



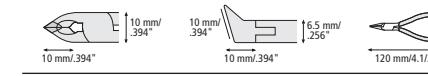
3799D Oblique cutter

DIN EN 61340 5.1 & 5.2

Item Number



T3799DF 110 1.2/16 1.0/18 0.4/26 **F**



Very slim, pointed jaws.

Pliers & Cutters

designed for professionals



3772D Snipe nose pliers

DIN EN 61340 5.1 & 5.2

Item Number	i
T3772D 120	
T3772 1D 120	

2 mm/.079" 10 mm/.394" 1 mm/.039" 6 mm/.236" 23 mm/905" 130 mm/5.1/4"



3769D Snipe nose plier

DIN EN 61340 5.1 & 5.2

Item Number	i
T3769D 150	

2.4 mm/.095" 12.5 mm/.492" 20 mm/.788" a=1.2 mm/.047" 7.5 mm/.295" 33 mm/1.130" 155 mm/6.1/2"

Bent nose.



3771D Round nose plier

DIN EN 61340 5.1 & 5.2

Item Number	i
T3771D 120	

2 mm/.079" 10 mm/.394" 1 mm/.039" 6 mm/.236" 20 mm/.788" 130 mm/5.1/4"

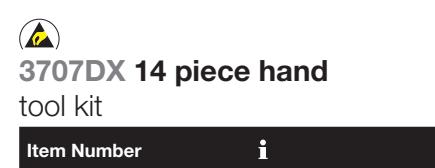


3770D Flat nose pliers

DIN EN 61340 5.1 & 5.2

Item Number	i
T3770D 120	
T3770 1D 120	

2.4 mm/.095" 12.5 mm/.492" 1.2 mm/.047" 7.5 mm/.295" 40 mm/1.575" 155 mm/6.1/2"



3707DX 14 piece hand tool kit

Item Number i

T3707DX 14 piece hand tool kit

Contains: T3772D 120 Snipenose Plier, T3773D 115 Side Cutter, T2334 Positioning Tweezer, T2343 Precision Tweezer, T4880XESD Slotted Screwdriver 1.5x60, 1.8 x 60, 2.5 x 60, 2.5 x 75, 3.0 x 100, 4.0 x 100, T4882XESD Phillips Screwdriver PH000x60, PH00x60, PH0x60, PH1x80.



3767D Snipe nose plier

DIN EN 61340 5.1 & 5.2

Item Number	i
T3767D 120	

2 mm/.079" 10 mm/.394" 1 mm/.039" 6.5 mm/.250" 20 mm/.788" 130 mm/5.3/4"

Bent nose.



3783D Needle nose plier

DIN EN 61340 5.1 & 5.2

Item Number	i
T3783D	

2 mm/.079" 11 mm/.433" 1.2 mm/.047" 7.5 mm/.295" 37 mm/1.457" 155 mm/6.1/4"

The dual component handles we use on our Sensoplus ESD pliers and cutters range have been specially designed to be ergonomic. They are wide, soft, comfortable and slip free for controlled and fatigue free handling over extended periods.

precision

Pliers & Cutters

The C.K Precision range of pliers and cutters has been designed for use on intricate work wherever a small, light, yet high quality tool is required.

The plastic coated handles are slim for easy use when access is limited.



3703 6 piece

pliers set

Item Number	i
T3703	6 piece pliers set

Contains: T3773 Side Cutter, T3780F Side Cutter, T3799F Oblique Cutter, T3772 Snipenose Plier, T3767 Snipenose Plier, T3770 Flatnose Plier.



3779 Side cutter

Item Number	i	W.C
T3779	2.0/12 1.0/18 0.6/22	

10 mm/.394"	11 mm/.433"	7.5 mm/.295"
125 mm/5"		

Tungsten-carbide edges.



3775 Side cutter

Item Number	i
T3775	2.0/12 1.5/15 0.7/21
T3775EF	2.0/12 1.3/18 -

14.5 mm/.571"	9 mm/.354"	135 mm/5.1/4"
20 mm/.788"		



3773 Side cutter

Item Number	i
T3773	1.5/15 1.0/18 0.4/26
T3773F	1.5/15 1.0/18 -
T3773EF	1.5/15 0.8/20 -



3880 Side cutter

Item Number	i
T3880F	1.5/15 0.8/20 -

9 mm/.354"	6 mm/.236"	110 mm/4.1/4"
11 mm/.433"		

ESD and Precision tools



Pliers & Cutters

designed for professionals



3781 Side cutter

Item Number	Ø	Ø	●	i
T3781	1.5/15	1.0/18	0.3/28	

11 mm/.433" 13 mm/.512"

7.5 mm/.295" 115 mm/4.1/2"



3780 Side cutter

Item Number	Ø	Ø	●	i
T3780F	1.5/15	0.8/20	–	
T3780EF	1.5/15	0.6/22	–	

9 mm/.354" 9 mm/.354"

6 mm/.236" 110 mm/4.1/4"



3774 Side cutter

Item Number	Ø	Ø	●	i
T3774	1.5/15	1.0/18	0.4/26	

11 mm/.433" 13 mm/.512"

7 mm/.276" 120 mm/4.3/4"

Laid-in-joint.



3778 Oblique cutter

Item Number	Ø	Ø	●	i
T3778F	1.6/14	1.2/16	0.5/24	

11 mm/.433" 9 mm/.354"

18 mm/.709" 20 mm/.788"

7.5 mm/.295" 120 mm/4.3/4"

Wide head, long blades.



3799 Oblique cutter

Item Number	Ø	Ø	●	i
T3799F	1.2/16	1.0/18	0.4/26	

10 mm/.394" 10 mm/.394"

12 mm/.473" 12 mm/.492"

6.5 mm/.256" 110 mm/4.1/4"

Straight head.



3776 Top cutter

Item Number	Ø	Ø	●	i
T3776EF 5	2.0/12	1.6/14	–	
T3776F	1.6/14	1.2/16	0.5/24	

14 mm/.550" 9 mm/.354"

23 mm/.900" 130 mm/5.1/4"

9 mm/.354" 130 mm/5.1/4"

Long nose.

Wide head, long blades.



3786 Oblique tip cutter

Item Number	Ø	Ø	●	i
T3786F 4	0.8/20	0.6/22	–	

11 mm/.433" 20 mm/.788"

5 mm/.197" 20 mm/.788"

6.5 mm/.256" 120 mm/4.3/4"

Bent nose.



3767 Snipe nose plier

Item Number	i
T3767	

2 mm/.079" 20 mm/.788"

10 mm/.394" 20 mm/.788"

a=1 mm/.039" 6.5 mm/.250"

130 mm/5.3/4"

Bent nose.



3789 Flat nose plier

Item Number	i
T3789	

1.5 mm/.059" 40 mm/1.575"

12 mm/.472" 4.5 mm/.177"

7.5 mm/.295" 145 mm/5.3/4"

Laid-in joint.



3796 Wire stripping plier

Item Number	Ø
T3796 5	0.1-0.8mm

12 mm/.473" 27 mm/1.063"

32 mm/.126" 140 mm/5.3/4"

7 mm/.276" 145 mm/5.3/4"

Laid-in joint.



3783 Needle nose plier

Item Number	i
T3783	

2 mm/.079" 33 mm/1.130"

11 mm/.433" 37 mm/1.459"

a=1.2 mm/.047" 7.5 mm/.295"

145 mm/5.3/4"

Bent nose.



3771 Round nose plier

Item Number	i
T3771	

2 mm/.079" 23 mm/.905"

10 mm/.394" 23 mm/.905"

1.2 mm/.047" 6.5 mm/.250"

120 mm/4.3/4"

Round nose.