

SANTU



Zhangjiagang City Fangcheng Tools Co.,Ltd.

📍 Add: Zhangjiagang City DAXIN Town Hardware Industrial Park

☎ Tel: 0512-58761088 58766826

📠 Fax: 0512-58712988

📱 Mob: 18962283226

🌐 Web: www.santutools.com

✉ Mail: joyhe@cfc-tools.com

INDUSTRIAL GRADE PLIERS

www.santutools.com

120+

Employees

4+

Approx Million Pieces
Annual

67

Approx Percent
Share Of Exports

100

Export Markets

10

Full Automatic
Machining Path

20

Years Of Enterprise
Development



Company Profile

1. Established in 1995, SANTU TOOLS Co., Ltd., the predecessor of FANGCHENG, started by making auto tools to help accumulate original capital.
2. On March 7, 2002, FANGCHENG TOOLS Co., Ltd. was formally established, focusing on manufacturing pliers and other hardware tools.
3. In 2006, we invited Taiwan engineers to join us for one year to do the training and technical development, making the product quality a qualitative leap and helping build the initial quality control system of FANGCHENG TOOLS.
4. On May 12, 2010, we passed the inspection of VPA / GS and officially began to supply large European supermarkets.
5. On June 13, 2014, we introduced the Japanese workshop management system and got the second JIS certification in China, which strengthened our quality control system.
6. In the year of 2015, we grew rapidly. We further expanded the factory scale, began the independent production instead of the outside processing and developed the independent export business. Our facility also received ISO certification.



SANTU Insulated Tools

SANTU prides itself on having an extensive selection of VDE certified 1000v insulated tool sets, providing nothing but high quality and professional-grade electrician's tools. So no matter where you are in your career or what your specialty is, we have an insulated tool set for you.

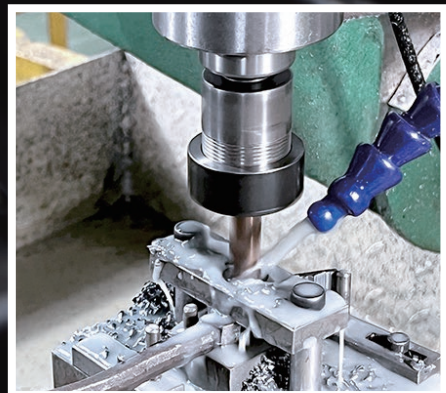
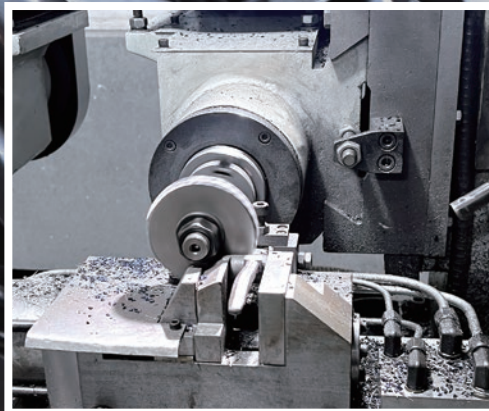
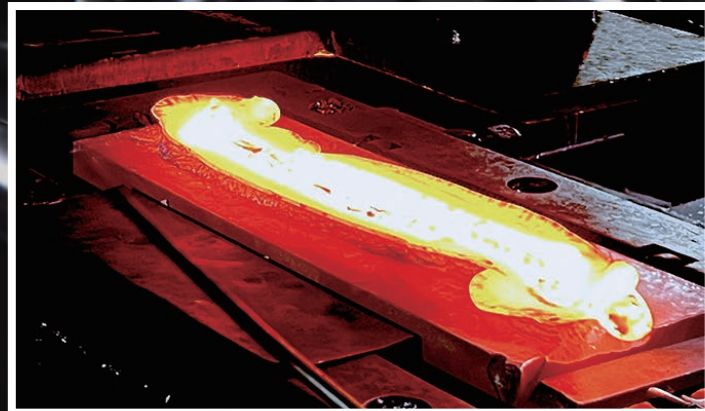
No Passion Without Safety

Founded in 1995, SANTU has almost 30 years' worth of experience manufacturing quality insulated tools to the highest possible standard. Our extensive range covers everything from spanners, torque tools and screwdrivers. We draw on our wealth of experience and expertise to make sure we supply customers with the longest lasting, hardest wearing and safest insulated tools in the world.

Enterprise Factory

Product Process

Our modern and fashionable design is one of our powerful tools to guarantee our first-rate product. In our new working plant, the advanced production facilities greatly promote efficiency as well as delicacy and precision, filling our company with vigor and energy.

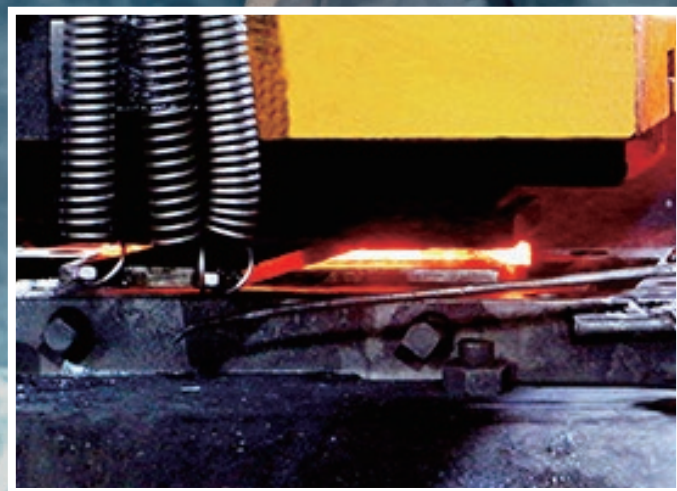


Factory Scale

Ensure excellent quality of products with complete detection equipment, strict process control, perfect quality control system, and correct working attitude. Protect the interests of users by conducting simulation test to special products.

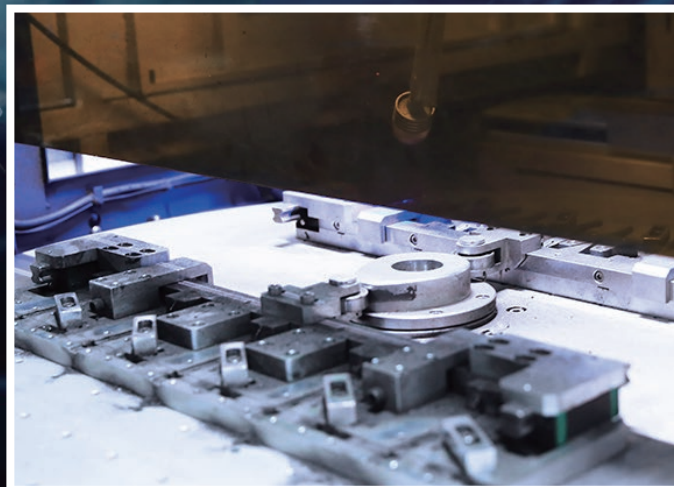


Production Process



01 Forging

We designed different models of pliers for different requirements and loads, we use steel alloys that have been specially selected for the application and rolled according to our high specifications. Long lasting cutting capability when working with very hard wires, strength when working with high torque loads, and good resistance to corrosion are examples of these targets. The materials are then given their specific molecular structure in a number of coordinated heat treatment steps to produce the optimal relationship between hardness and toughness. These processes allow us to achieve the high degree of reliability, durability and service life that are the very definition of SANTU pliers.



02 Laser High Frequency

Compared with traditional induction high frequency, laser processing has a more stable positioning tool, so that the hardness of the cutting edge is more uniform, this process allows us to achieve the high degree of reliability, durability and service life that are the very definition of SANTU pliers.

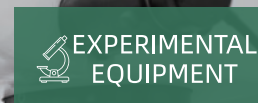


03 Automatic Polishing

Compared with traditional manual polishing, the size accuracy of the automatically polished pliers is highly improved, and the size consistency is much better.

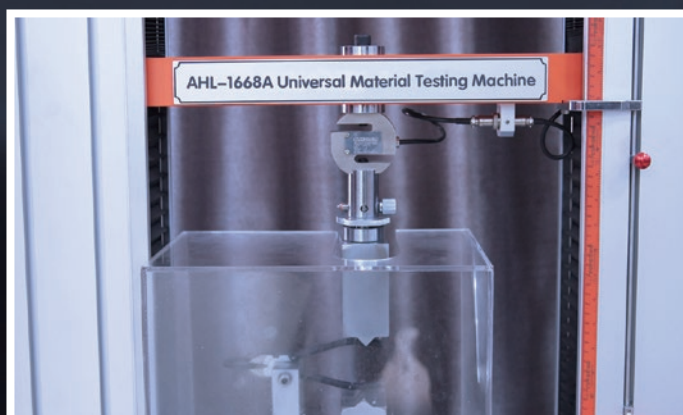
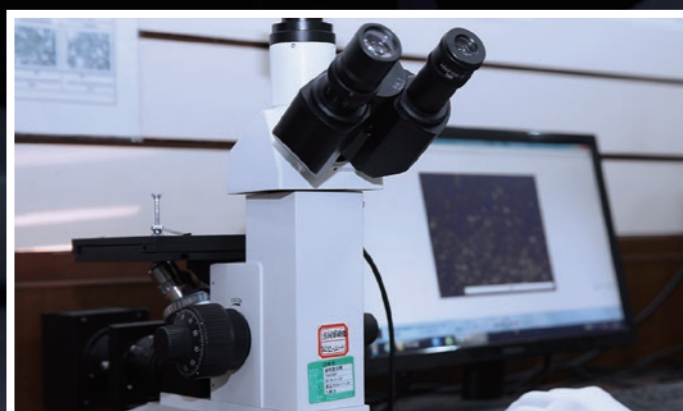


Experimental Equipment



Our Laboratory

We ensure compliance through strict measurements and diverse inspections - both after the various production steps and at the end of the entire process. To do this we use the most up-to-date measurement technology and endurance test plants - as well as the practical component test by hand.



CONTENTS

01
03
05
07
11
19
23
27
31
35
39
43
49
51
53
54

Company Profile



Enterprise Factory



Production Process



Experimental Equipment



Germany Type Pliers

Combination Plier / Diagonal Cutting Plier / Long Nose Plier / Bent Nose Plier / Flat Nose Plier / Round Nose Plier / Wire Stripper Plier



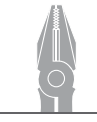
High Leverage Pliers

Combination Plier / Diagonal Cutting Plier / Long Nose Plier



American Type Pliers

Combination Plier / Diagonal Cutting Plier / Long Nose Plier



Japanese Type Pliers

Combination Plier / Diagonal Cutting Plier / Long Nose Plier



YZ Style Pliers

Combination Plier / Diagonal Cutting Plier / Long Nose Plier



KB Style Pliers

Combination Plier / Diagonal Cutting Plier / Long Nose Plier



Compound Pliers

Combination Plier / Diagonal Cutting Plier / Long Nose Plier



Mini Pliers

Combination Plier / Diagonal Cutting Plier / Long Nose Plier / Bent Nose Plier / Round Nose Plier / Wire Stripper Plier



Circlip Pliers

Internal Circlip Pliers(Straight Tips) / Internal Circlip Pliers(Bent Tips) / External Circlip Pliers(Straight Tips) / External Circlip Pliers(Bent Tips)



Water Pump Plier

Quick Set / Conventional



Multi-function Combination Plier



Heavy Duty Diagonal Cutting Plier

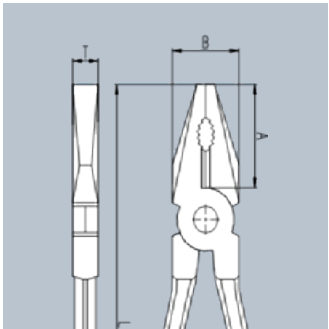




Germany Type Combination Plier

FC101

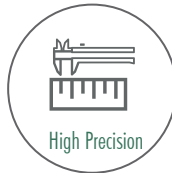
- With gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft, hard and piano wire.
- Long cutting edges for thicker cables.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High carbon steel 55#/Crv, oil-hardened and tempered.



Sharp Edge



Strong Shear



High Precision



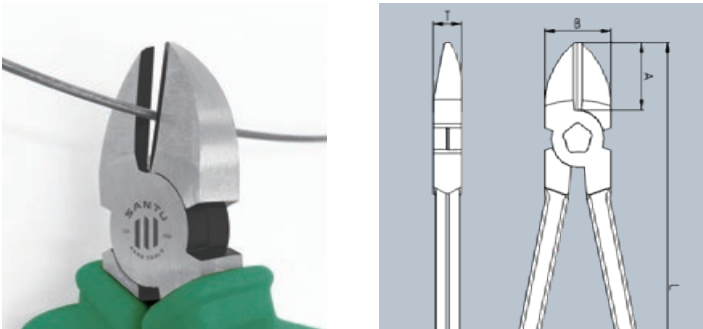
1000V



1000V

Item No.	mm		Pliers	Head	Handles	Cutting Capacities		
						mm	mm	mm
FC10101160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC10101180	180					3.0	2.6	2.0
FC10101200	200					3.0	3.0	2.2
FC10102160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC10102180	180					3.0	2.6	2.0
FC10102200	200					3.0	3.0	2.2
FC10103160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC10103180	180					3.0	2.6	2.0
FC10103200	200					3.0	3.0	2.2
FC10104160	160		Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	3.0	2.6	2.0
FC10104180	180					3.0	2.6	2.0
FC10104200	200					3.0	3.0	2.2
FC10105160	160		Chrome Plated		Insulate With Multi-component Grips VDE Tested	3.0	2.6	2.0
FC10105180	180					3.0	2.6	2.0
FC10105200	200					3.0	3.0	2.2

- With cutting edges for soft, hard and piano wire.
- Long cutting edges for thicker cables.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High carbon steel 55#/Crv, oil-hardened and tempered.

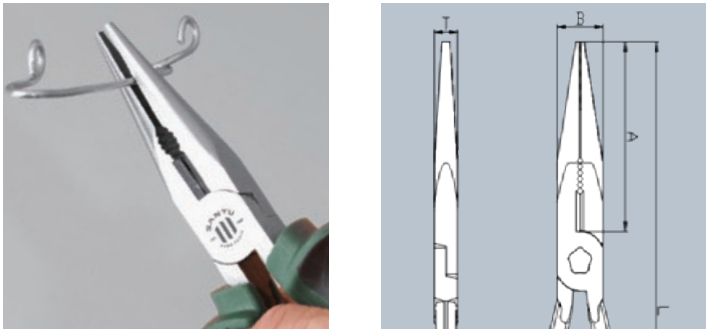


1000V

1000V

Item No.	mm		Pliers	Head	Handles	Cutting Capacities		
						mm	mm	mm
FC10201160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC10201180	180					3.2	2.6	2.0
FC10202160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC10202180	180					3.2	2.6	2.0
FC10203160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC10203180	180					3.2	2.6	2.0
FC10204160	160	1000V	Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	3.0	2.6	2.0
FC10204180	180					3.2	2.6	2.0
FC10205160	160	1000V	Chrome Plated		Insulate With Multi-component Grips VDE Tested	3.0	2.6	2.0
FC10205180	180					3.2	2.6	2.0

- With gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft, hard and piano wire.
- Long cutting edges for thicker cables.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High carbon steel 55#/Crv, oil-hardened and tempered.

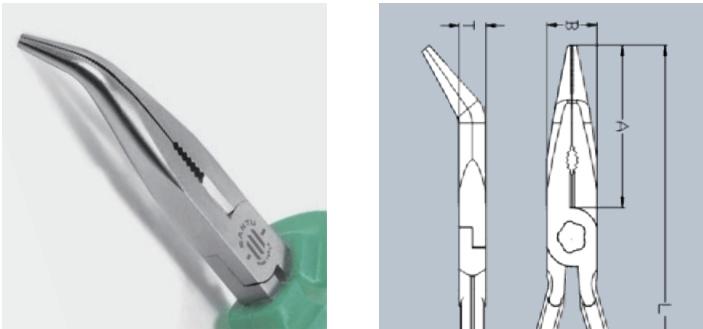


1000V

1000V

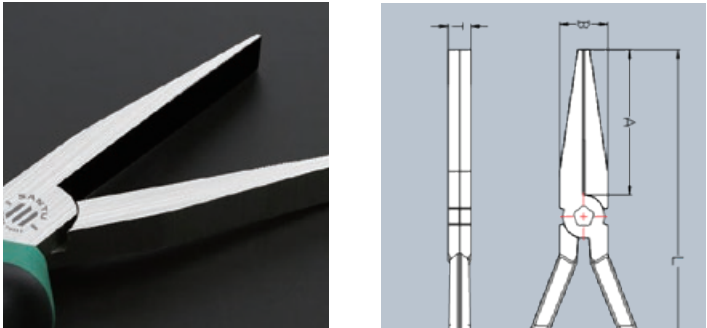
Item No.	mm		Pliers	Head	Handles	Cutting Capacities		
						mm	mm	mm
FC10301160	160		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC10301180	180					2.6	2.2	1.6
FC10301200	200					3.2	2.6	2.0
FC10302160	160		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC10302180	180					2.6	2.2	1.6
FC10302200	200					3.2	2.6	2.0
FC10303160	160		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6
FC10303180	180					2.6	2.2	1.6
FC10303200	200					3.2	2.6	2.0
FC10304160	160	1000V	Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	2.6	2.2	1.6
FC10304180	180					2.6	2.2	1.6
FC10304200	200					3.2	2.6	2.0
FC10305160	160	1000V	Chrome Plated		Insulate With Multi-component Grips VDE Tested	2.6	2.2	1.6
FC10305180	180					2.6	2.2	1.6
FC10305200	200					3.2	2.6	2.0

- With gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft, hard and piano wire.
- Long cutting edges for thicker cables.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High carbon steel 55#/Crv, oil-hardened and tempered.



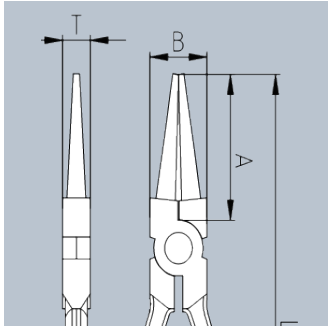
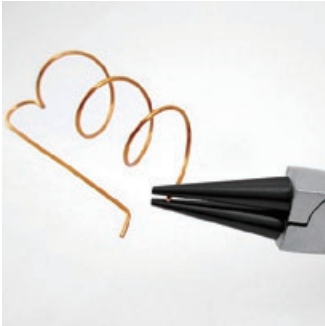
Item No.	mm		Pliers	Head	Handles	Cutting Capacities		
						mm	mm	mm
FC10401160	160		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC10401200	200		Black Finished	Polished	Plastic Coated	3.2	2.6	2.0
FC10402160	160		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC10402200	200		Black Finished	Polished	With Multi-component Grips	3.2	2.6	2.0
FC10403160	160		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6
FC10403200	200		Chrome Plated		With Multi-component Grips	3.2	2.6	2.0
FC10404160	160		Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	2.6	2.2	1.6
FC10404200	200		Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	3.2	2.6	2.0
FC10405160	160		Chrome Plated		Insulate With Multi-component Grips VDE Tested	2.6	2.2	1.6
FC10405200	200		Chrome Plated		Insulate With Multi-component Grips VDE Tested	3.2	2.6	2.0

- Suitable for gripping work in fine mechanics.
- Flat, tapering.
- High-grade special tool steel, forged.
- CRV/Carbon steel, forged.

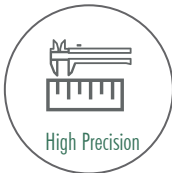


Item No.	mm		Pliers	Head	Handles	Cutting Capacities		
						mm	mm	mm
FC10501160	160		Black Finished	Polished	Plastic Coated			
FC10502160	160		Black Finished	Polished	With Multi-component Grips			
FC10503160	160		Chrome Plated		With Multi-component Grips			
FC10504160	160		Black Finished	Polished	Insulate With Multi-component Grips VDE Tested			
FC10505160	160		Chrome Plated		Insulate With Multi-component Grips VDE Tested			

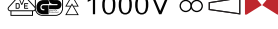
- For gripping and manipulating fine wires in jewellery work.
- For bending wire loops.
- Bending wire loops in electronics.
- CRV/Carbon steel,forged.



Round Nose

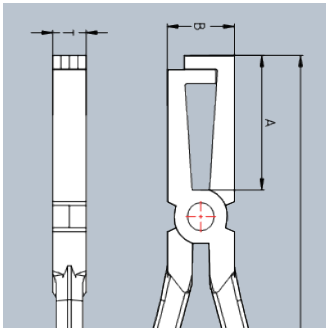
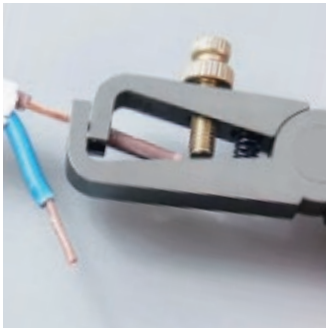


High Precision



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC10601160	160		Black Finished	Polished	Plastic Coated			
FC10602160	160		Black Finished	Polished	With Multi-component Grips			
FC10603160	160		Chrome Plated		With Multi-component Grips			
FC10604160	160	 	Black Finished	Polished	Insulate With Multi-component Grips VDE Tested			
FC10605160	160	 	Chrome Plated		Insulate With Multi-component Grips VDE Tested			

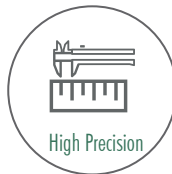
- The wire stripping blade is multifunctionally adjusted by the knurled nut, and the lock nut prevents any accidental adjustment.
- High cutting edge hardness, integral forging, which is sharp and easy to cut.
- Use range: cable, optical cable, twisted pair, copper wire, sheathed wire.



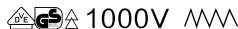
Wire Stripper



Strong Shear



High Precision



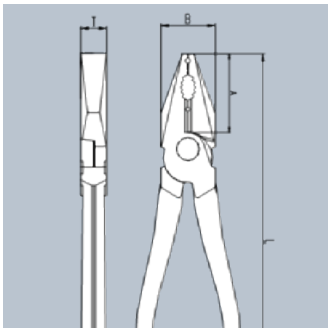
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC10701160	160		Black Finished	Polished	Plastic Coated			
FC10702160	160		Black Finished	Polished	With Multi-component Grips			
FC10703160	160		Chrome Plated		With Multi-component Grips			
FC10704160	160	 	Black Finished	Polished	Insulate With Multi-component Grips VDE Tested			
FC10705160	160	 	Chrome Plated		Insulate With Multi-component Grips VDE Tested			



High Leverage Combination Plier

FC201

- 25% saving in power due to new, improved lever action.
- With gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft, hard and piano wire.
- Long cutting edges for thicker cables.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High grade special tool steel, oil-hardened and tempered.



Sharp Edge

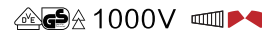
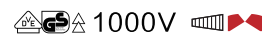


Strong Shear



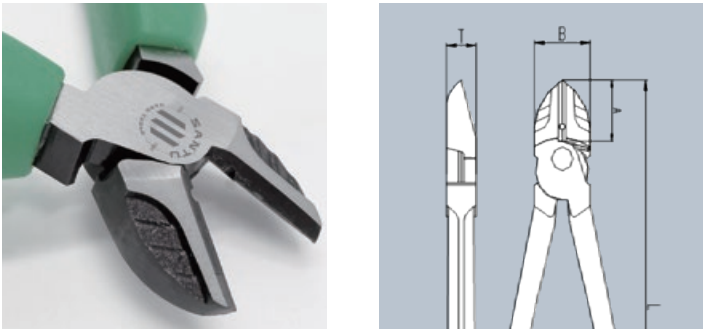
25%

Save 25% Power



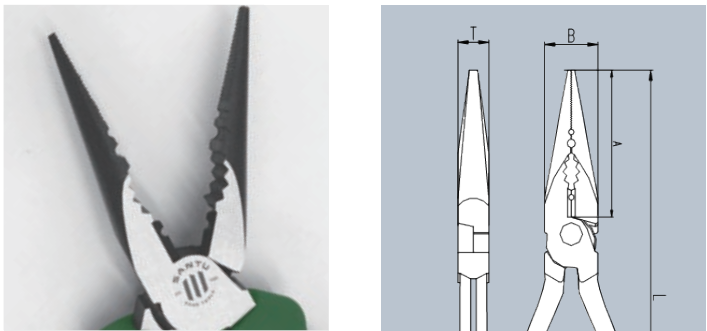
Item No.	mm		Pliers	Head	Handles	Cutting Capacities		
						mm	mm	mm
FC20101160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC20101180	180					3.0	2.6	2.0
FC20101200	200					3.0	3.0	2.2
FC20102160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC20102180	180					3.0	2.6	2.0
FC20102200	200					3.0	3.0	2.2
FC20103160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC20103180	180					3.0	2.6	2.0
FC20103200	200					3.0	3.0	2.2
FC20104160	160		Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	3.0	2.6	2.0
FC20104180	180					3.0	2.6	2.0
FC20104200	200					3.0	3.0	2.2
FC20105160	160		Chrome Plated		Insulate With Multi-component Grips VDE Tested	3.0	2.6	2.0
FC20105180	180					3.0	2.6	2.0
FC20105200	200					3.0	3.0	2.2

- 25% saving in power due to new, improved lever action.
- With cutting edges for soft, hard and piano wire.
- Long cutting edges for thicker cables.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High grade special tool steel, oil-hardened and tempered.



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC20201160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC20202160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC20203160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC20204160	160		Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	3.0	2.6	2.0
FC20205160	160		Chrome Plated		Insulate With Multi-component Grips VDE Tested	3.0	2.6	2.0

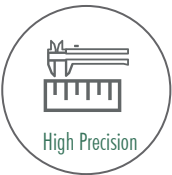
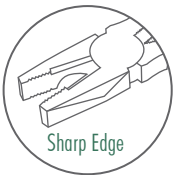
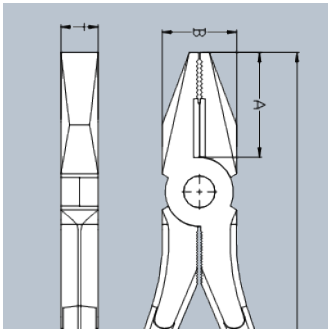
- 25% saving in power due to new, improved lever action.
- With gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft, hard and piano wire.
- Long cutting edges for thicker cables.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High grade special tool steel, oil-hardened and tempered.



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC20301160	160		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC20301200	200					3.2	2.6	2.0
FC20302160	160		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC20302200	200					3.2	2.6	2.0
FC20303160	160		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6
FC20303200	200					3.2	2.6	2.0
FC20304160	160		Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	2.6	2.2	1.6
FC20304200	200					3.2	2.6	2.0
FC20305160	160		Chrome Plated		Insulate With Multi-component Grips VDE Tested	2.6	2.2	1.6
FC20305200	200					3.2	2.6	2.0

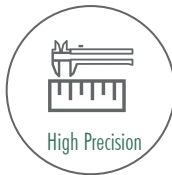
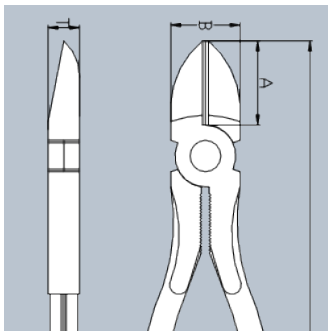


- With gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft, hard and piano wire.
- Heavy duty comfortable handle for working long periods.
- Induction hardened cutting edges of **55-62 HRC** for the ultimate performance.
- **55#** high carbon steel of HRC **42-48** for strength and durability.
- Optimum transmission of force due to ergonomically designed handgrips.



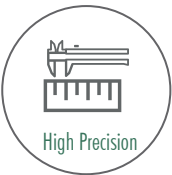
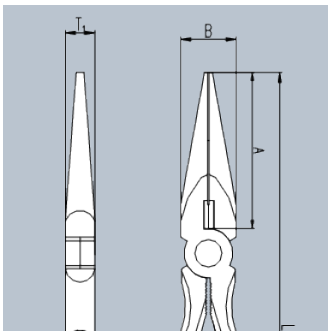
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC30101160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC30101180	180					3.0	2.6	2.0
FC30101200	200					3.0	3.0	2.2
FC30102160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC30102180	180					3.0	2.6	2.0
FC30102200	200					3.0	3.0	2.2
FC30103160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC30103180	180					3.0	2.6	2.0
FC30103200	200					3.0	3.0	2.2

- With cutting edges for soft, hard and piano wire.
- Heavy duty comfortable handle for working long periods.
- Induction hardened cutting edges of **55-62 HRC** for the ultimate performance.
- **55#** high carbon steel of HRC **42-48** for strength and durability.
- Optimum transmission of force due to ergonomically designed handgrips.



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC30201160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC30201200	200					3.0	2.6	2.0
FC30202160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC30202200	200					3.0	2.6	2.0
FC30203160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC30203200	200					3.0	2.6	2.0

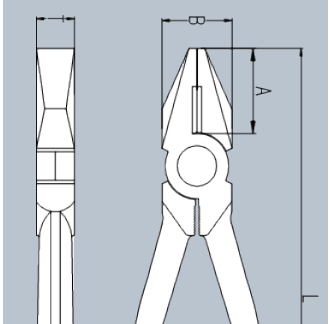
- With gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft, hard and piano wire.
- Heavy duty comfortable handle for working long periods.
- Induction hardened cutting edges of **55-62 HRC** for the ultimate performance.
- **55#** high carbon steel of HRC **42-48** for strength and durability.
- Optimum transmission of force due to ergonomically designed handgrips.



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC30301160	160		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC30301200	200					3.2	2.6	2.0
FC30302160	160		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC30302200	200					3.2	2.6	2.0
FC30303160	160		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6
FC30303200	200					3.2	2.6	2.0



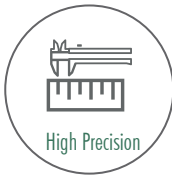
- With gripping zones for flat and round material, suitable for versatile use.
- Superior quality material and excellent techniques ensure long time working life.
- Made of High Carbon Steel, drop-forged, oil-hardened and tempered.
- Cutting edges additionally induction hardened, cutting edge hardness approx, HRC 60-65.
- Cutting edges suitable for cutting soft, hard wires and piano wire.
- Ergonomicly designed TPR double color handle, more labor-saving and comforable.
- Anti-rust of clamp head: electrophoresis treatment of clamp head, effective anti-rust.



Sharp Edge



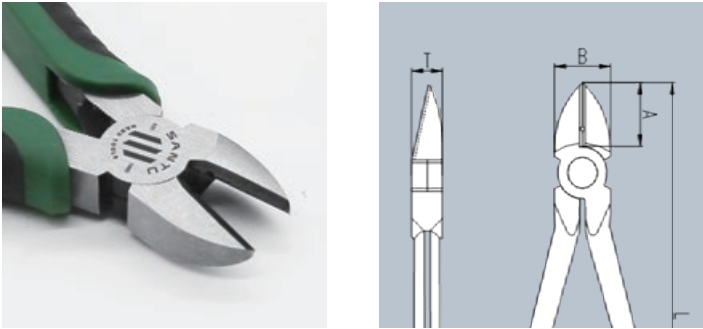
Strong Shear



High Precision

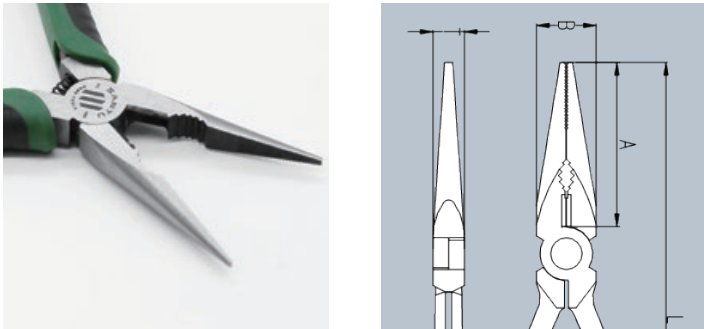
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC40101160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC40101180	180					3.0	2.6	2.0
FC40101200	200					3.0	3.0	2.2
FC40102160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC40102180	180					3.0	2.6	2.0
FC40102200	200					3.0	3.0	2.2
FC40103160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC40103180	180					3.0	2.6	2.0
FC40103200	200					3.0	3.0	2.2

- Superior quality material and excellent techniques ensure long time working life.
- Made of High Carbon Steel, drop-forged, oil-hardened and tempered.
- Cutting edges additionally induction hardened, cutting edge hardness approx, **HRC 60-65**.
- Cutting edges suitable for cutting soft, hard wires and piano wire.
- Ergonomically designed TPR double color handle, more labor-saving and comfortable.
- Anti-rust of clamp head: electrophoresis treatment of clamp head, effective anti-rust.



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC40201160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC40201200	200		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC40202160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC40202200	200		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC40203160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC40203200	200		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0

- With gripping zones for flat and round material, suitable for versatile use.
- Superior quality material and excellent techniques ensure long time working life.
- Made of High Carbon Steel, drop-forged, oil-hardened and tempered.
- Cutting edges additionally induction hardened, cutting edge hardness approx, **HRC 60-65**.
- Cutting edges suitable for cutting soft, hard wires and piano wire.
- Ergonomically designed TPR double color handle, more labor-saving and comfortable.
- Anti-rust of clamp head: electrophoresis treatment of clamp head, effective anti-rust.



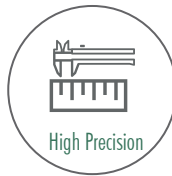
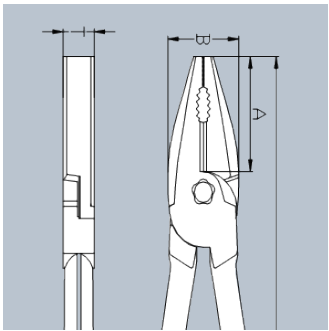
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC40301160	160		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC40301200	200		Black Finished	Polished	Plastic Coated	3.2	2.6	2.0
FC40302160	160		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC40302200	200		Black Finished	Polished	With Multi-component Grips	3.2	2.6	2.0
FC40303160	160		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6
FC40303200	200		Chrome Plated		With Multi-component Grips	3.2	2.6	2.0



YZ Style Combination Plier

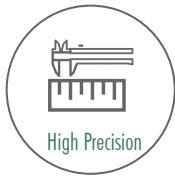
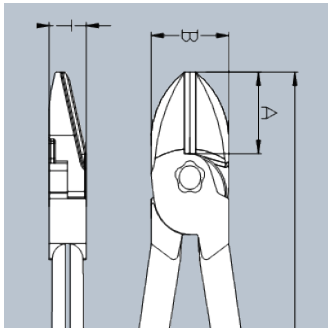
FC501

- Heavy & Long cutting edge.The hardened cutting edge with the hardness around 62HRC can cut the spring steel wire with a certain diameter.
- Round jaw with round clamping area for easy and secure clamping of round materials.
- The jaw tooth-shaped clamping area can be used for clamping flat materials and drawing and bending.
- Surface plating treatment to enhance anti-rust effect.
- High-grade special tool steel forging, oil quenching.



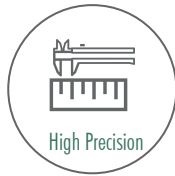
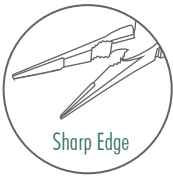
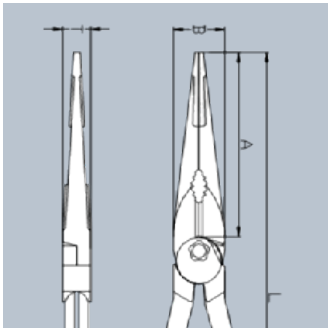
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC50101180	180		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC50101200	200					3.0	3.0	2.2
FC50101230	230					3.0	3.0	2.2
FC50102180	180		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC50102200	200					3.0	3.0	2.2
FC50102230	230					3.0	3.0	2.2
FC50103180	180		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC50103200	200					3.0	3.0	2.2
FC50103230	230					3.0	3.0	2.2

- High hardness: the cutting edge is hardened, and the hardness is about 62 HRC.
- Narrow head design: It is convenient to work in a narrow space, and the longer cut makes the shearing force more.
- Surface plating treatment to enhance anti-rust affect.
- Comfortable handle: the green part is hard material, which can hold the clamp body firmly, and the black part is soft material, which is more comfortable to hold.
- The combination of the incision angle and the optimized leverage ratio can meet the higher shear performance with less external force.



Item No.	mm		Pliers	Head	Handles	Cutting Capacities		
						mm	mm	mm
FC50201160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC50201180	180					3.2	2.6	2.0
FC50202160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC50202180	180					3.2	2.6	2.0
FC50203160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC50203180	180					3.2	2.6	2.0

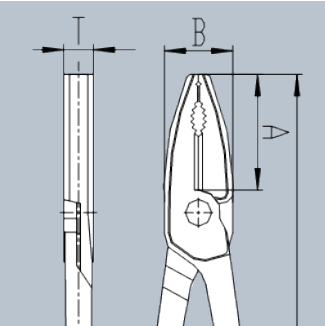
- Heavy & Long cutting edge.The hardened cutting edge with the hardness around 62 HRC can cut the spring steel wire with a certain diameter.
- Round jaw with round clamping area for easy and secure clamping of round materials.
- The jaw tooth-shaped clamping area can be used for clamping flat materials and drawing and bending.
- Surface plating treatment to enhance anti-rust effect.
- High-grade special tool steel forging, oil quenching.



Item No.	mm		Pliers	Head	Handles	Cutting Capacities		
						mm	mm	mm
FC50301160	160		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC50301200	200					3.2	2.6	2.0
FC50302160	160		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC50302200	200					3.2	2.6	2.0
FC50303160	160		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6
FC50303200	200					3.2	2.6	2.0



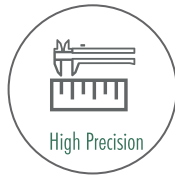
- Heavy & Long cutting edge. The hardened cutting edge with the hardness around 62HRC can cut the spring steel wire with a certain diameter.
- Round jaw with round clamping area for easy and secure clamping of round materials.
- The jaw tooth-shaped clamping area can be used for clamping flat materials and drawing and bending.
- Clamp body electrophoresis treatment, excellent anti-rust performance.
- High-grade special tool steel forging, oil quenching.



Sharp Edge



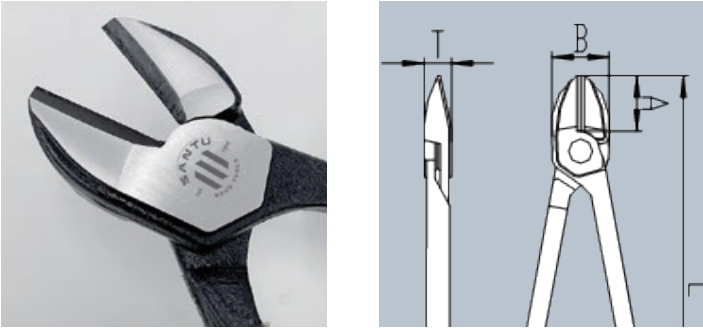
Strong Shear



High Precision

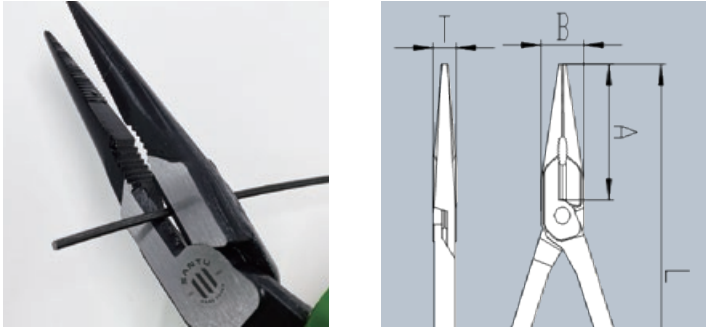
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC60101160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC60101180	180					3.0	2.6	2.0
FC60101200	200					3.0	3.0	2.2
FC60102160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC60102180	180					3.0	2.6	2.0
FC60102200	200					3.0	3.0	2.2
FC60103160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC60103180	180					3.0	2.6	2.0
FC60103200	200					3.0	3.0	2.2

- High hardness: the cutting edge is hardened, and the hardness is about 62 HRC.
- Narrow head design: It is convenient to work in a narrow space, and the longer cut makes the shearing force more.
- Anti-rust of clamp head: electrophoresis treatment of clamp head, effective anti-rust.
- Comfortable handle: the green part is hard material, which can hold the clamp body firmly, and the black part is soft material, which is more comfortable to hold.
- The combination of the incision angle and the optimized leverage ratio can meet the higher shear performance with less external force.



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC60201160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC60202160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC60203160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0

- Heavy & Long cutting edge.The hardened cutting edge with the hardness around 62HRC can cut the spring steel wire with a certain diameter.
- Round jaw with round clamping area for easy and secure clamping of round materials.
- The jaw tooth-shaped clamping area can be used for clamping flat materials and drawing and bending.
- Clamp body electrophoresis treatment, excellent anti-rust performance.
- High-grade special tool steel forging, oil quenching.



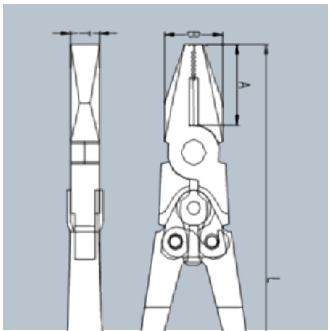
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC60301160	160		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC60301180	180		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC60302160	160		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC60302180	180		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC60303160	160		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6
FC60303180	180		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6



Compound Combination Plier

FC1201

- The design of the lock utilizes the principle of two levers, which saves **60%** labor than ordinary pliers.
- Heavy & Long cutting edge. The hardened cutting edge with the hardness around **62HRC** can cut the spring steel wire with a certain diameter.
- Round jaw with round clamping area for easy and secure clamping of round materials.
- The jaw tooth-shaped clamping area can be used for clamping flat materials and drawing and bending.
- High-grade special tool steel forging, oil quenching.
- Cutting: The labor-saving lever design makes cutting easier, for cutting soft, medium and hard wires.



Sharp Edge



Strong Shear

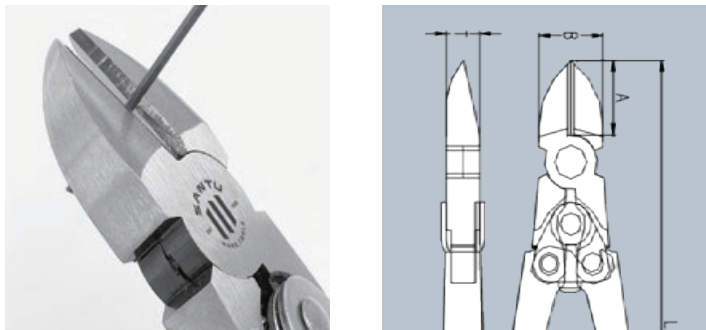


60%

Save 60% Power

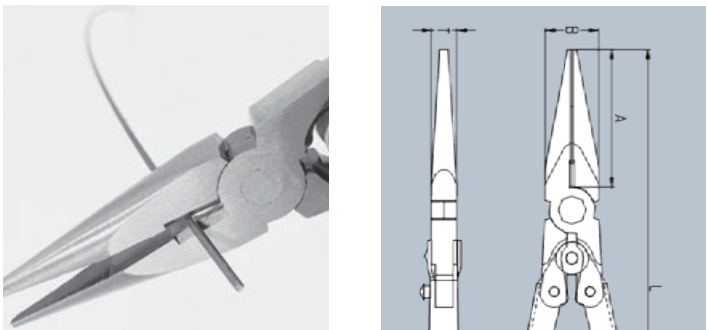
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC120101180	180		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC120101200	200					3.0	2.6	2.0
FC120102180	180		Black Finished	Polished	With Multi-component Grips	3.0	3.0	2.2
FC120102200	200					3.0	2.6	2.0
FC120103180	180		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC120103200	200					3.0	3.0	2.2

- The design of the lock utilizes the principle of two levers, which saves **60%** labor than ordinary pliers.
- Heavy & Long cutting edge.The hardened cutting edge with the hardness around **62HRC** can cut the spring steel wire with a certain diameter.
- High-grade special tool steel forging, oil quenching.
- Cutting: The labor-saving lever design makes cutting easier, for cutting soft, medium and hard wires.



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC120201180	180		Black Finished	Polished	Plastic Coated	3.2	2.6	2.0
FC120201200	200					3.2	2.6	2.0
FC120202180	180		Black Finished	Polished	With Multi-component Grips	3.2	2.6	2.0
FC120202200	200					3.2	2.6	2.0
FC120203180	180		Chrome Plated		With Multi-component Grips	3.2	2.6	2.0
FC120203200	200					3.2	2.6	2.0

- The design of the lock utilizes the principle of two levers, which saves **60%** labor than ordinary pliers.
- Heavy & Long cutting edge.The hardened cutting edge with the hardness around **62HRC** can cut the spring steel wire with a certain diameter.
- Round jaw with round clamping area for easy and secure clamping of round materials.
- The jaw tooth-shaped clamping area can be used for clamping flat materials and drawing and bending.
- High-grade special tool steel forging, oil quenching.
- Cutting: the labor-saving lever design makes cutting easier, for cutting soft, medium and hard wires.



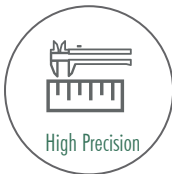
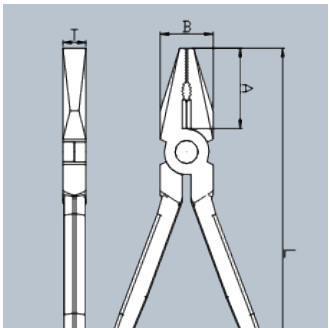
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC120301160	160		Black Finished	Polished	Plastic Coated	2.6	2.2	1.6
FC120301180	180					2.6	2.2	1.6
FC120302160	160		Black Finished	Polished	With Multi-component Grips	2.6	2.2	1.6
FC120302180	180					2.6	2.2	1.6
FC120303160	160		Chrome Plated		With Multi-component Grips	2.6	2.2	1.6
FC120303180	180					2.6	2.2	1.6



EXPERT QUALITY.
For precision work.
With the same function as general pliers.

The surface hardness: HRC 42-48
Cutting hardness: HRC 55-62

- Medium carbon steel.
- Special tool steel, oil-hardened and tempered.
- Low-friction double spring for gentle and even opening.
- Induction hardened cutting edges for the ultimate performance.

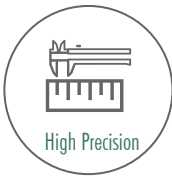
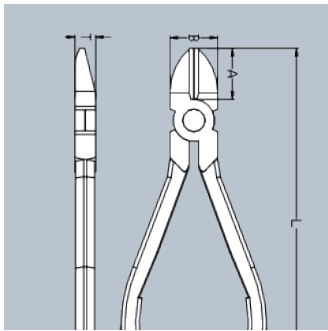


Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC110101125	125	  	Black Finished	Polished	Plastic Coated			
FC110102125	125	  	Black Finished	Polished	With Multi-component Grips			
FC110103125	125	  	Chrome Plated		With Multi-component Grips			

EXPERT QUALITY.
For precision work.
With the same function as general pliers.

The surface hardness: HRC 42-48
Cutting hardness: HRC 55-62

- Medium carbon steel.
- Special tool steel, oil-hardened and tempered.
- Low-friction double spring for gentle and even opening.
- Induction hardened cutting edges for the ultimate performance.

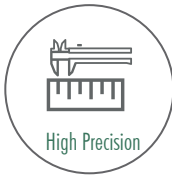
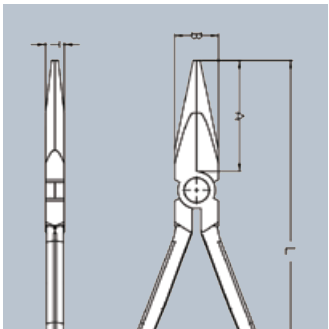


Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC110201125	125		Black Finished	Polished	Plastic Coated			
FC110202125	125		Black Finished	Polished	With Multi-component Grips			
FC110203125	125		Chrome Plated		With Multi-component Grips			

EXPERT QUALITY.
For precision work.
With the same function as general pliers.

The surface hardness: HRC 42-48
Cutting hardness: HRC 55-62

- Medium carbon steel.
- Non-slip, solid tips.
- Special tool steel, oil-hardened and tempered.
- Low-friction double spring for gentle and even opening.
- Induction hardened cutting edges for the ultimate performance.

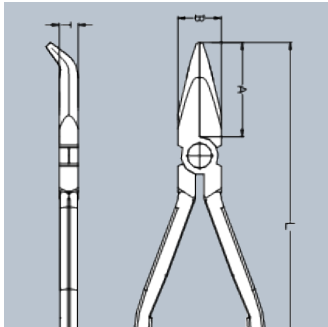


Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC110301125	125		Black Finished	Polished	Plastic Coated			
FC110302125	125		Black Finished	Polished	With Multi-component Grips			
FC110303125	125		Chrome Plated		With Multi-component Grips			

EXPERT QUALITY.
For precision work.
With the same function as general pliers.

The surface hardness: HRC 42-48
Cutting hardness: HRC 55-62

- Medium carbon steel.
- Non-slip, solid tips.
- Special tool steel, oil-hardened and tempered.
- Low-friction double spring for gentle and even opening.
- Induction hardened cutting edges for the ultimate performance.

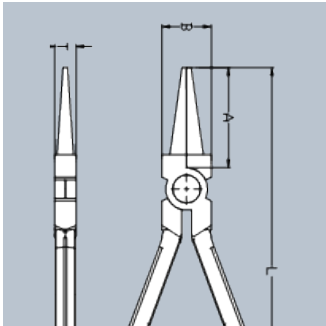


Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC110401125	125	   	Black Finished	Polished	Plastic Coated			
FC110402125	125	   	Black Finished	Polished	With Multi-component Grips			
FC110403125	125	   	Chrome Plated		With Multi-component Grips			

EXPERT QUALITY.
For precision work.
With the same function as general pliers.

The surface hardness: HRC 42-48
Cutting hardness: HRC 55-62

- Medium carbon steel.
- Non-slip, solid tips.
- Special tool steel, oil-hardened and tempered.
- Low-friction double spring for gentle and even opening.

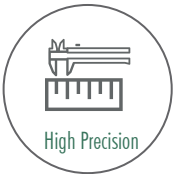
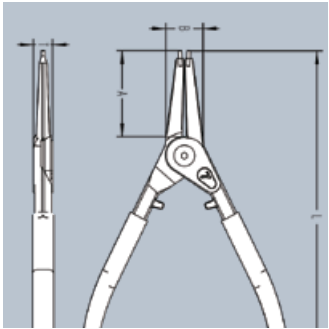
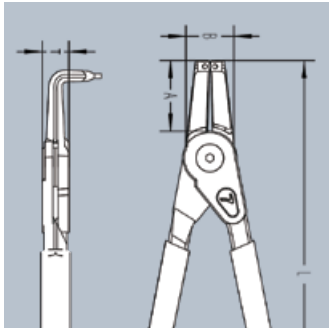


Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC110601125	125	   	Black Finished	Polished	Plastic Coated			
FC110602125	125	   	Black Finished	Polished	With Multi-component Grips			
FC110603125	125	   	Chrome Plated		With Multi-component Grips			



INDUSTRIAL GRADE PLIERS
Internal circlip pliers for fitting circlips in bore holes.
Exernal circlip pliers for fitting circlips on shafts.

- For fitting internal circlips in bore holes from 19-60 mm dia.
- Medium carbon / CRV steel.
- Solid style, forged.
- Non-Slip, Solid tips.
- Hardened and tempered medium carbon steel for strength and durability.



Internal Circlip Pliers(Straight Tips)



Internal Circlip Pliers(Bent Tips)



External Circlip Pliers(Straight Tips)



External Circlip Pliers(Bent Tips)



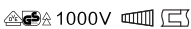
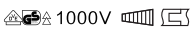
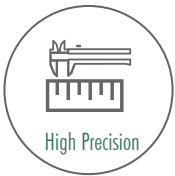
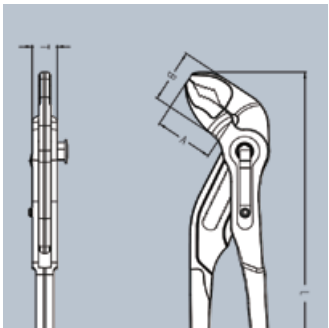
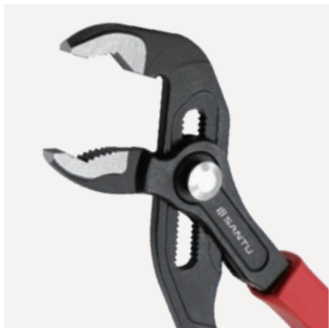
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC71101180	180		Black Finished	Polished	Plastic Coated			
FC71102180	180		Black Finished	Polished	With Multi-component Grips			
FC71103180	180		Chrome Plated		With Multi-component Grips			
FC71201180	180		Black Finished	Polished	Plastic Coated			
FC71202180	180		Black Finished	Polished	With Multi-component Grips			
FC71203180	180		Chrome Plated		With Multi-component Grips			
FC71301180	180		Black Finished	Polished	Plastic Coated			
FC71302180	180		Black Finished	Polished	With Multi-component Grips			
FC71303180	180		Chrome Plated		With Multi-component Grips			
FC71401180	180		Black Finished	Polished	Plastic Coated			
FC71402180	180		Black Finished	Polished	With Multi-component Grips			
FC71403180	180		Chrome Plated		With Multi-component Grips			



Water Pump Plier

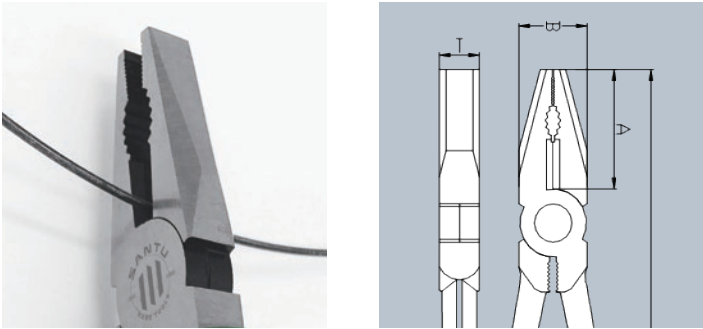
FC0810

- With hardened teeth,teeth hardness approx.62HRC,low wear and stable gripping.
- Box joint design:high stability because of the double guide.
- CRV,forged,oil-quenching.
- Adjustment at the touch of a button directly on the workpiece.



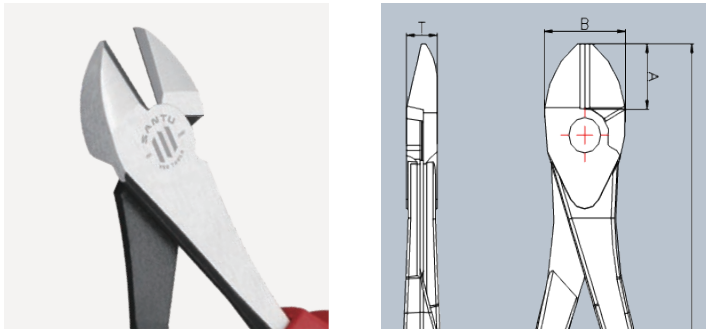
Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC081001250	250		Black Finished	Quick Set	Plastic Coated			
FC081006250	250		Black Finished	Conventional	Plastic Coated			
FC081004250	250	 1000V 	Black Finished	Quick Set	Insulate With Multi-component Grips VDE Tested			
FC081009250	250	 1000V 	Black Finished	Conventional	Insulate With Multi-component Grips VDE Tested			

- With gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft, hard and piano wire.
- Long cutting edges for thicker cables.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High carbon steel 55#/Crv, oil-hardened and tempered.



Item No.	mm		Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC150101160	160		Black Finished	Polished	Plastic Coated	3.0	2.6	2.0
FC150101180	180					3.0	2.6	2.0
FC150101200	200					3.0	3.0	2.2
FC150102160	160		Black Finished	Polished	With Multi-component Grips	3.0	2.6	2.0
FC150102180	180					3.0	2.6	2.0
FC150102200	200					3.0	3.0	2.2
FC150103160	160		Chrome Plated		With Multi-component Grips	3.0	2.6	2.0
FC150103180	180					3.0	2.6	2.0
FC150103200	200					3.0	3.0	2.2

- The hardened long&heavy cutting edge can cut the wire with a certain diameter.
- With cutting edges for soft, hard and piano wire.
- Cutting edges additionally induction hardened, cutting edge hardness approx. 60-65 HRC.
- High carbon steel 55#/Crv, oil-hardened and tempered.



 1000V 



 1000V 

Item No.			Pliers 	Head 	Handles 	Cutting Capacities		
						 mm	 mm	 mm
FC130201180	180		Black Finished	Polished	Plastic Coated	3.2	2.6	2.0
FC130201200	200					3.2	2.6	2.0
FC130202180	180		Black Finished	Polished	With Multi-component Grips	3.2	2.6	2.0
FC130202200	200					3.2	2.6	2.0
FC130203180	180		Chrome Plated		With Multi-component Grips	3.2	2.6	2.0
FC130203200	200					3.2	2.6	2.0
FC130204180	180	  1000V	Black Finished	Polished	Insulate With Multi-component Grips VDE Tested	3.2	2.6	2.0
FC130204200	200						3.2	2.6
FC130205180	180	  1000V	Chrome Plated		Insulate With Multi-component Grips VDE Tested	3.2	2.6	2.0
FC130205200	200						3.2	2.6