



### 93422A Plastic Snap-Off Knife, 8-Point, 18x100mm



- Manufactured by mould injection with engineering plastics
- (ABS), with stainless steel knife pouch. Durable
- Please use SATA 93433A, 93437 blades made of Japanese imported SK2 material, which are sharp and durable

No.			
93422A	10	80	5.5

▲ Excluded from lifetime warranty terms.

### 93481 Rubber Grip Snap-Off Knife, 13-Point, 9x80mm



- The dual materials TPR/ABS handle
- The thickened stainless steel blade cover to provide, higher strength
- Please use SATA 93432A blades made of Japanese imported SK2 material, which are sharp and durable

No.			
93481	12	72	4.5

▲ Excluded from lifetime warranty terms.

### 93482 Rubber Grip Snap-Off Knife, 8-Point, 18x100mm



- The dual materials TPR/ABS handle
- The thickened stainless steel blade cover to provide higher strength
- Please use SATA 93433A, 93737 blades made of Japanese imported SK2 material, which are sharp and durable

No.			
93482	12	72	9.2

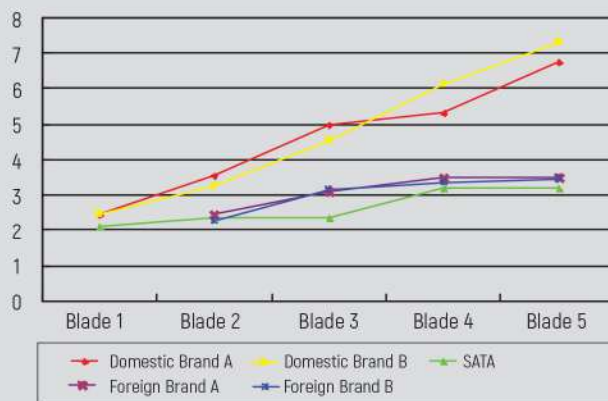
▲ Excluded from lifetime warranty terms.



### Tool Knowledge Station

#### Characteristics of saw blades:

- SATA bimetal saw blade: Teeth made of quality high-speed steel for high cutting strength and long service life. Back material made of alloy spring steel for good toughness, elasticity and safety. Vacuum furnace heat treatment for improved mechanical properties
- SATA high-speed steel saw blade: Made of imported high-speed steel for hardness and high strength, especially suitable for folding saw bow, with high cutting efficiency and flat cutting plane and without twist or deformation. Subjected to vacuum furnace heat treatment to maximize the mechanical properties; pin holes at both ends of the saw blade tempered twice for longer service life and higher safety



- Cutting efficiency of HSS saw blade (logitudinal axis is the time spent in cutting test bar [HRC37] (unit: minute), and horizontal axis is the number of cutting)

#### Saw Blade Selection

Material	Selection number of teeth for over 5mm	Selection number of teeth for 2-5mm	Selection number of teeth for less than 2mm
Hard Plastic	18	18-24	24-32
Hard Rubber	18	18	24
Copper	18	18-24	24-32
Brass	18	24-32	32
Aluminum	18	18-24	24-32
Cast Iron	18	18-24	24-32
Low Carbon Steel	18	24	32
High Alloy-structural Steel	24	24	32
High-Speed Steel	24	24	32
Stainless Steel	18	24	32

### 93483 Rubber Grip Snap-Off Knife, 7-Point, 25x125mm

**SK2**  
Black Blade  
25mm



- The dual materials TPR/ABS handle
- The thickened stainless steel blade cover to provide higher strength
- Please use SATA 93438 blades made of Japanese imported SK2 material, which are sharp and durable

No.			
93483	6	36	8.7

▲ Excluded from lifetime warranty terms.

### 93486 Folding Utility Knife



- Durable zinc alloy housing, TPR/ABS material
- Unique blade replacer, which makes blade replacement convenient
- Small and portable foldable body
- Please use SATA blades 93434A, 93435A made of Japanese imported material
- SK2, which makes them sharp and durable

No.			
93486	8	48	8.8

▲ Excluded from lifetime warranty terms.

### 93438 10Pc. Spare Blades, 7-Point, 25x125mm

**SK2**  
Black Blade  
25mm



- Made of SK2 material imported from Japan, being sharp and durable
- 10 blades in one package, 2 in black and 8 in silver
- Suitable for SATA 93483 box cutter

No.			
93438	12	72	16

▲ Excluded from lifetime warranty terms.

### 93424A Zinc Alloy Snap-Off Knife, 13-Point, 9x80mm



- Cutter body made of zinc alloy with baking varnish on surface, and stainless steel cutter socket, being solid and durable
- SATA 93432A blades made of SK2 material imported from Japan, being sharp and durable

No.			
93424A	12	72	4.5

▲ Excluded from lifetime warranty terms.

### 93485 Heavy Duty Utility Knife

**SK2**  
Black Blade  
18mm



- Zinc alloy housing, TPR/ABS material handle
- 5 pieces of spare blades
- Please use SATA blades 93434A, 93435A made of Japanese imported material
- SK2, which makes them sharp and durable

No.			
93485	8	48	10.8

▲ Excluded from lifetime warranty terms.

### 93425A Zinc Alloy Snap-Off Knife, 8-Point, 18x100mm



- Cutter body made of zinc alloy with baking varnish on surface, and stainless steel cutter socket, being solid and durable
- SATA 93432A blades made of SK2 material imported from Japan, being sharp and durable

No.			
93425A	8	48	6.2

▲ Excluded from lifetime warranty terms.



### 93426 Plastic Snap-Off Knife, 13-Point, 9x80mm



- Manufactured by mould injection with engineering plastics(ABS),with stainless steel knife pouch.Durable
- Please use SATA 93432A blades made of Japanese imported
- SK2 material,which are sharp and durable

No.			
93426	10	80	2.6

▲ Excluded from lifetime warranty terms.

### 93428 Rubber Grip Snap-Off Knife, 8-Point, 18x100mm



- Stainless steel cutter socket coated with soft rubber (TPR) and engineering plastic (ABS) two-tone composite materials for comfort
- Automatic blade loading for simple and safe blade replacement
- Capable of storing three 18mm box cutter blades
- SATA 93433A, 93436 and 93437 blades made of SK2 material imported from Japan, being sharp and durable

No.			
93428	12	72	9.5

▲ Excluded from lifetime warranty terms.

### 93427 Rubber Grip Snap-Off Knife, 13-Point, 9x80mm



- Stainless steel cutter socket coated with soft rubber (TPR) and engineering plastic (ABS) two-tone composite materials for comfort
- Automatic blade loading for simple and safe blade replacement
- Capable of storing 3 9mm box cutter blades, suitable for narrow space and precision cutting
- SATA 93432A blades made of SK2 material imported from Japan, being sharp and durable

No.			
93427	12	72	4

▲ Excluded from lifetime warranty terms.

### 93429 Plastic Snap-Off Knife, 8-Point, 18x100mm



- Manufactured by mould injection with engineering plastics(ABS), with stainless steel knife pouch.Durable
- Please use SATA 93433A,93437 blades made of Japanese
- imported SK2 material,which are sharp and durable :

No.			
93429	10	80	5.6

▲ Excluded from lifetime warranty terms.

### 93432A 10Pc. Spare Blades, 13-Point, 9x80mm



- Made of SK2 material imported from Japan, being sharp and durable
- 10 blades in one package, 2 in black and 8 in silver
- Suitable for SATA 93424A, 93426 and 93427 box cutters

No.	Number of blades	L(mm)	W(mm)	Thickness (mm)	Number of sections			
93432A	10 pc	80	9	0.4	13	10	120	2.9

▲ Excluded from lifetime warranty terms.

### 93430 Industrial Snap-Off Knife, 8-Point, 18x100mm



- Zinc alloy cutter body with baking varnish on surface, and stainless steel cutter socket for comfort
- Rotary knob provided on the head to lock the blade for precise and professional cutting
- Automatic blade loading for simple and safe blade replacement
- Capable of storing five 18mm box cutter blades
- SATA 93433A, 93436 and 93437 blades made of SK2 material imported from Japan, being sharp and durable

No.			
93430	8	48	11.4

▲ Excluded from lifetime warranty terms.

### 93433A 10Pc. Spare Blades, 8-Point, 18x100mm

**SK2**  
18mm



- Made of SK2 material imported from Japan, being sharp and durable
- 10 blades in one package, 2 in black and 8 in silver
- Suitable for SATA 93424A, 93426 and 93427 box cutters

No.	Number of blades	L(mm)	W(mm)	Thickness (mm)	Number of sections			
93433A	10 pc	100	18	0.5	8	10	80	6.8

▲ Excluded from lifetime warranty terms.

### 93436 10Pc. Spare Blades, 8-Point, 18x100mm



- Made of SK2 material imported from Japan, being sharp and durable
- 10 blades in one package
- Simple box package, being cost-effective
- Suitable for SATA 93422A, 93425A, 93428, 93429 and 93430 box cutters

No.	Number of blades	L(mm)	W(mm)	Thickness (mm)	Number of sections			
93436	10 pc	100	18	0.5	8	30	180	13.4

▲ Excluded from lifetime warranty terms.

### 93437 10Pc. Spare Blades, 15-Point, 18x100mm

**SK2**  
18mm



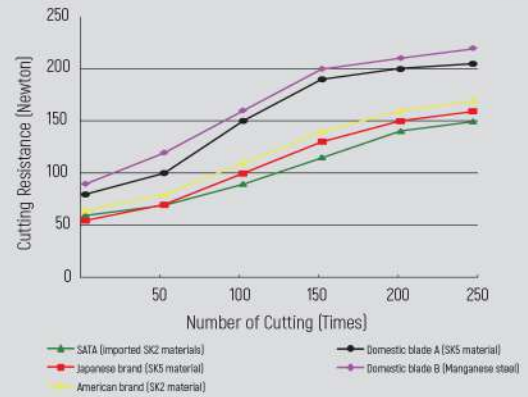
- Made of SK2 material imported from Japan, being sharp and durable
- 15-section blade for longer service life
- 10 blades in one package, 2 in black and 8 in silver
- Suitable for 93422A, 93425A, 93428, 93429 and 93430 box cutters

No.	Number of blades	L(mm)	W(mm)	Thickness (mm)	Number of sections			
93437	10 pc	100	18	0.5	15	10	80	6.8

▲ Excluded from lifetime warranty terms.



### SATA世达 Blade Performance Advantage



#### Blade features:

- Sharp
  - Made from SK2 material imported from Japan for high blade hardness
  - Cutting edge subjected to special grinding process for improved sharpness and durability
- Economical
  - Improved service life compared with similar products in the market

#### Note:

- 1) Wear safety goggles when using the blades
- 2) Return the blade to the handle after use
- 3) Dispose used blades properly
- 4) Keep the blade out of reach of children

#### Schematic diagram of automatic blade change



1 Push the button to the top and remove the blade



2 Push the button back to the bottom



3 Push out the button once again to replace the blade automatically



4 Unplug the back cover, insert the blade into the groove of the back cover, and break it along the crease (Note: break one section at one time to prevent the blade from flying off)

### 93434A 10Pc. Spare Utility Blades



- Made of SK2 material imported from Japan, being sharp and durable
- 10 blades in one package
- Safety blade box for easy access and avoiding hand injury
- Suitable for SATA 93441, 93442, 93443 and 93446 box cutters

No.	Number of blades	L(mm)	W(mm)	Thickness (mm)			
93434A	10 pc	60	19	0.6	18	72	4.4

▲ Excluded from lifetime warranty terms.

### 93435A 100Pc. Spare Utility Blades



- Made of SK2 material imported from Japan, being sharp and durable
- 10 blades in one package
- Safety blade box for easy access and avoiding hand injury
- Suitable for SATA 93441, 93442, 93443 and 93446 box cutters

No.	Number of blades	L(mm)	W(mm)	Thickness (mm)			
93435A	100 pc	60	19	0.6	12	24	11.1

▲ Excluded from lifetime warranty terms.

### 03901 5Pc. Mini File Set, 185mm



• Imported from Japan in original packing

No.	Sectional Form	Product Name
03923		Mini Flat Second Cut File
03943		Mini Half Round Second Cut File
03963		Mini Square Second Cut File
03975		Mini Round Second Cut File
03995		Mini Three Square Second Cut File

No.	Spec. (mm)			
03901	185	5	60	9

▲ Warranty terms of tool set comply with the individual product.

### 03902 5Pc. Mini File Set, 200mm



• Imported from Japan in original packing

No.	Sectional Form	Product Name
03924		Mini Flat Second Cut File
03944		Mini Half Round Second Cut File
03964		Mini Square Second Cut File
03976		Mini Round Second Cut File
03996		Mini Three Square Second Cut File

No.	Spec. (mm)			
03902	200	5	60	13

▲ Warranty terms of tool set comply with the individual product.



### 03903 5Pc. Mini File Set, 215mm



• Imported from Japan in original packing

No.	Sectional Form	Product Name
03925		Mini Flat Second Cut File
03945		Mini Half Round Second Cut File
03965		Mini Square Second Cut File
03977		Mini Round Second Cut File
03997		Mini Three Square Second Cut File

No.	Spec. (mm)			
03903	215	5	60	18.8

▲ Warranty terms of tool set comply with the individual product.

### 03904 3Pc. Mini Flat File Set

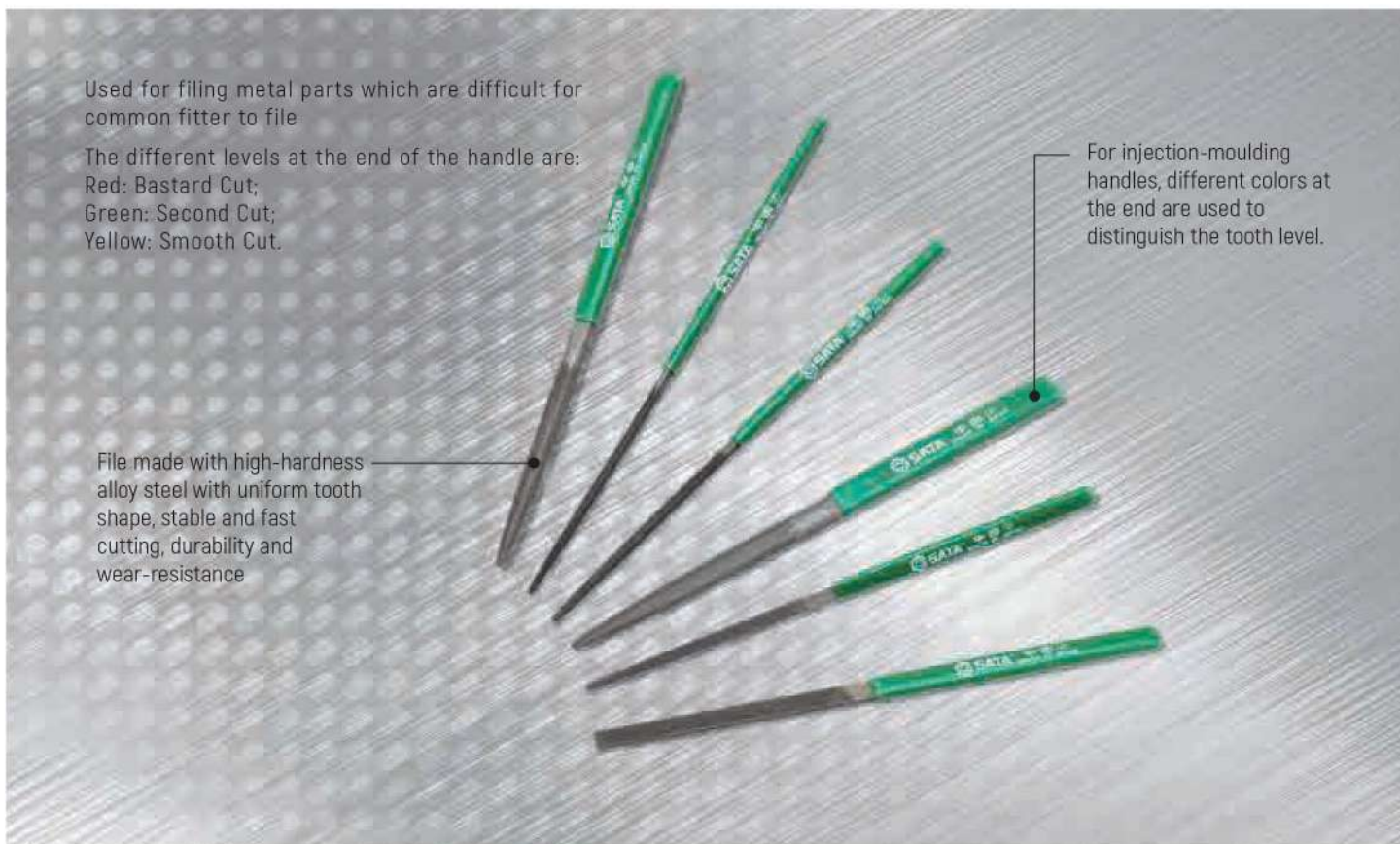


• Imported from Japan in original packing

No.	Sectional Form	Product Name
03924		Mini Flat Second Cut File 200mm
03925		Mini Flat Second Cut File 215mm
03926		Mini Flat Smooth Cut File 185mm

No.	Spec. (mm)			
03904	3Pc. Mini Flat File Set	5	125	174

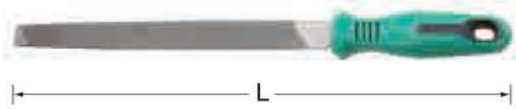
▲ Warranty terms of tool set comply with the individual product.





## Flat Bastard Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency 1-Bastard cut 2-Second cut 3-Smooth cut

No.	Spec.	L(mm)			
03911	6"	262	12	96	11.4
03912	8"	315	12	96	16.3
03913	10"	365	12	72	18.8
03914	12"	430	12	48	21.2

▲ Excluded from lifetime warranty terms.

## Flat Second Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency 1-Bastard cut 2-Second cut 3-Smooth cut

No.	Spec.	L(mm)			
03915	6"	262	12	96	11.4
03916	8"	315	12	96	15.9
03917	10"	365	12	72	18.8
03918	12"	430	12	48	21.6

▲ Excluded from lifetime warranty terms.

## Flat Smooth Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency 1-Bastard cut 2-Second cut 3-Smooth cut

No.	Spec.	L(mm)			
03919	6"	262	12	96	11.4
03920	8"	315	12	96	16.1
03921	10"	365	12	72	18.8
03922	12"	430	12	48	21.2

▲ Excluded from lifetime warranty terms.

## Mini File (Single Piece)



- Imported from Japan in original packing

No.	Sectional Form	Product Name			
03923		Mini Flat Second Cut File 185mm	10	250	9
03924		Mini Flat Second Cut File 200mm	10	250	12.5
03925		Mini Flat Second Cut File 215mm	10	250	6.3
03926		Mini Flat Smooth Cut File 185mm	10	250	8.7
03943		Mini Half Round Second Cut File 185mm	10	250	9.2
03944		Mini Half Round Second Cut File 200mm	10	250	13.2
03945		Mini Half Round Second Cut File 215mm	10	250	18.7
03946		Mini Half Round Smooth Cut File 185mm	10	250	9.8
03963		Mini Square Second Cut File 185mm	10	250	7.8
03964		Mini Square Second Cut File 200mm	10	250	10.8
03965		Mini Square Second Cut File 215mm	10	250	15.3
03975		Mini Round Second Cut File 185mm	10	250	6.5
03976		Mini Round Second Cut File 200mm	10	250	9.2
03977		Mini Round Second Cut File 215mm	10	250	13
03995		Mini Three Square Second Cut File 185mm	10	250	10.3
03996		Mini Three Square Second Cut File 200mm	10	250	11.7
03997		Mini Three Square Second Cut File 215mm	10	250	16.5

▲ Excluded from lifetime warranty terms.

## Half Round Bastard Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency

No.	Spec.	L(mm)			
03931	6"	262	12	96	11.7
03932	8"	315	12	96	18.7
03933	10"	365	12	72	22.7
03934	12"	430	12	48	24.5

▲ Excluded from lifetime warranty terms.



### Three Square Second Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency

No.	Spec.	L(mm)			
03991	6"	262	12	96	12.7
03992	8"	315	12	96	21.1
03993	10"	365	12	72	25.1
03994	12"	430	12	48	26.7

▲ Excluded from lifetime warranty terms.

### 03801 10Pc. Assorted Needle File Set 3×140mm

Diameter of round rod \* full length: 3×140mm



- Suitable for filing small workpieces and precision parts

**Single Product Introduction**

- Section Form Product Name
- Flat Needle File
  - Pointed Half Round Needle File
  - Pointed Square Needle File
  - Pointed Equilateral Triangular Needle File
  - Pointed Round Needle File
  - Pointed Dual-Sided Flat Needle File
  - Pointed Cutter Needle File
  - Pointed Single-Sided Triangular Needle File
  - Pointed Flat Round Needle File
  - Pointed Oval Needle File

No.	Spec. (mm)			
03801	3×140	5	60	8.5

▲ Excluded from lifetime warranty terms.

### 03802 10Pc. Assorted Needle File Set 4×160mm

Diameter of round rod \* full length: 4×160mm



- Suitable for filing small workpieces and precision parts

**Single Product Introduction**

- Section Form Product Name
- Flat Needle File
  - Pointed Half Round Needle File
  - Pointed Square Needle File
  - Pointed Equilateral Triangular Needle File
  - Pointed Round Needle File
  - Pointed Dual-Sided Flat Needle File
  - Pointed Cutter Needle File
  - Pointed Single-Sided Triangular Needle File
  - Pointed Flat Round Needle File
  - Pointed Oval Needle File

No.	Spec. (mm)			
03802	4×160	5	60	13.2

▲ Excluded from lifetime warranty terms.

### 03803 10Pc. Assorted Needle File Set 5×180mm

Diameter of round rod \* full length: 5×180mm



- Suitable for filing small workpieces and precision parts

**Single Product Introduction**

- Section Form Product Name
- Flat Needle File
  - Pointed Half Round Needle File
  - Pointed Square Needle File
  - Pointed Equilateral Triangular Needle File
  - Pointed Round Needle File
  - Pointed Dual-Sided Flat Needle File
  - Pointed Cutter Needle File
  - Pointed Single-Sided Triangular Needle File
  - Pointed Flat Round Needle File
  - Pointed Oval Needle File

No.	Spec. (mm)			
03803	5×180	5	60	23.3

▲ Excluded from lifetime warranty terms.



### Half Round Second Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency

No.	Spec.	L(mm)			
03935	6"	262	12	96	11.9
03936	8"	315	12	96	18.3
03937	10"	365	12	72	22.6
03938	12"	430	12	48	24.6

▲ Excluded from lifetime warranty terms.

### Square Second Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency

No.	Spec.	L(mm)			
03955	6"	262	12	96	9.7
03956	8"	315	12	96	13.3
03957	10"	365	12	72	15.5
03958	12"	430	12	48	19.6

▲ Excluded from lifetime warranty terms.

### Half Round Smooth Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency

No.	Spec.	L(mm)			
03939	6"	262	12	96	12
03940	8"	315	12	96	18.2
03941	10"	365	12	72	22.4
03942	12"	430	12	48	24.9

▲ Excluded from lifetime warranty terms.

### Square Smooth Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency

No.	Spec.	L(mm)			
03959	6"	262	12	96	9.5
03960	8"	315	12	96	13.2
03961	10"	365	12	72	15.6
03962	12"	430	12	48	19.5

▲ Excluded from lifetime warranty terms.

### Square Bastard Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency

No.	Spec.	L(mm)			
03951	6"	262	12	96	9.5
03952	8"	315	12	96	13.5
03953	10"	365	12	72	15.5
03954	12"	430	12	48	19.5

▲ Excluded from lifetime warranty terms.

### Round Second Cut File

Sectional Form



- The product is made of special carbon tool steel, with file body hardness up to 63-66HRC
- File teeth have uniform form and depth, ensuring high filing efficiency

No.	Spec.	L(mm)			
03971	6"	262	12	96	9.2
03972	8"	315	12	96	11.9
03973	10"	365	12	72	13.5
03974	12"	430	12	48	16.6

▲ Excluded from lifetime warranty terms.

### 03804 10Pc. Assorted Diamond Riffler Needle File Set 3×140mm



- Round rod diameter \* full length: 3×140mm
- Suitable for filing special workpieces and precision parts

No.			
03804	5	60	8.7

▲ Excluded from lifetime warranty terms.

### 03805 10Pc. Assorted Diamond Needle File Set 3×140mm



- Round rod diameter \* full length: 3×140mm
- Suitable for filing special workpieces and precision parts

No.			
03805	5	60	8.8

▲ Excluded from lifetime warranty terms.

### 03810 10Pc. Diamond Needle File Set 3×140mm



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 3×140mm (round bar diameter X overall length)
- Length of working surface: 50mm
- Grit size: D 150

No.	Sectional Form	Product Name
03811		Diamond Flat Needle File
03812		Diamond Pointed Half Round Needle File
03813		Diamond Pointed Square File
03814		Diamond Pointed Equilateral Triangle File
03815		Diamond Pointed Round Needle File
03816		Diamond Pointed Double-side Round/Flat File
03817		Diamond Pointed Knife File
03818		Diamond Pointed Single-side Triangular File
03819		Diamond Pointed Flat/Round File
03820		Diamond Pointed Cross File

No.			
03810	10	40	6.2

▲ Excluded from lifetime warranty terms.

### 03811 Diamond Flat Needle File 3x140mm

Flat Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03811	10	500	74

▲ Excluded from lifetime warranty terms.



### 03812 Diamond Pointed Half Round Needle File 3x140mm

Pointed Half Round Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03812	10	500	7

▲ Excluded from lifetime warranty terms.

### 03815 Diamond Pointed Round Needle File 3x140mm

Pointed Round Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03815	10	500	6.8

▲ Excluded from lifetime warranty terms.

### 03831 Diamond Flat Needle File 4x160mm

Flat Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03831	10	500	11.8

▲ Excluded from lifetime warranty terms.

### 03832 Diamond Pointed Half Round Needle File 4x160mm

Pointed Half Round Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03832	10	500	11

▲ Excluded from lifetime warranty terms.

### 03835 Diamond Pointed Round Needle File 4x160mm

Pointed Round Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03835	10	500	10.9

▲ Excluded from lifetime warranty terms.

### 03851 Diamond Flat Needle File 5x180mm

Flat Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03851	10	500	18.4

▲ Excluded from lifetime warranty terms.

### 03852 Diamond Pointed Half Round Needle File 5x180mm

Pointed Half Round Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03852	10	500	172

▲ Excluded from lifetime warranty terms.

### 03855 Diamond Pointed Round Needle File 5x180mm

Pointed Round Needle File



- Handle diameter × Overall length: 3x140mm
- Length of working surface: 50mm
- Grit size: D 150

No.			
03855	10	500	16.5

▲ Excluded from lifetime warranty terms.

### 03830 10Pc. Diamond Needle File Set 4x160mm



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency.
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 4x160mm [round bar diameter X overall length]
- Length of working surface: 50mm
- Grit size: D 150

No.	Sectional Form	Product Name
03831		Diamond Flat Needle File
03832		Diamond Pointed Half Round Needle File
03833		Diamond Pointed Square File
03834		Diamond Pointed Equilateral Triangle File
03835		Diamond Pointed Round Needle File
03836		Diamond Pointed Double-Side Round/Flat File
03837		Diamond Pointed Knife File
03838		Diamond Pointed Single-Side Triangular File
03839		Diamond Pointed Flat/Round File
03840A		Diamond Pointed Cross File

No.			
03830	10	40	9.2

▲ Excluded from lifetime warranty terms.

### 03850 5Pc. Diamond Needle File Set 5x180mm

Diameter of round rod \* full length: 5x180mm  
Working plane length: 70mm



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency.
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 5x180mm [round bar diameter X overall length]
- Length of working surface: 70mm
- Grit size: D 150

No.	Sectional Form	Product Name
03851		Diamond Flat Needle File
03852		Diamond Pointed Half Round Needle File
03853		Diamond Pointed Square File
03854		Diamond Pointed Equilateral Triangle File
03855		Diamond Pointed Round Needle File

No.			
03850	10	40	7.6

▲ Excluded from lifetime warranty terms.



### 03860 3Pc. Diamond Needle File Set 3x140mm

Needle File Length: 3x140mm  
 (Shank diameter\* full length)  
 Working plane length: 50mm  
 Fineness: 150 meshes



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency.
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 3x140mm (round bar diameter X overall length)  
 Length of working surface: 50mm  
 Grit size: D 150

No.	Sectional Form	Product Name
03811		Diamond Flat Needle File
03812		Diamond Pointed Half Round Needle File
03815		Diamond Pointed Round Needle File

No.			
03860	10	40	2.2

▲ Excluded from lifetime warranty terms.

### 03870 3Pc. Diamond Needle File Set 4x160mm

Needle File Length: 4x160mm  
 (Shank diameter\* full length)  
 Working plane length: 50mm  
 Fineness: 150 meshes



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency.
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 4x160mm (round bar diameter X overall length)  
 Length of working surface: 50mm  
 Grit size: D 150

No.	Sectional Form	Product Name
03831		Diamond Flat Needle File
03832		Diamond Pointed Half Round Needle File
03835		Diamond Pointed Round Needle File

No.			
03870	10	40	3.3

▲ Excluded from lifetime warranty terms.

### 03880 3Pc. Diamond Needle File Set 5x180mm



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency.
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 5x180mm (round bar diameter X overall length)  
 Length of working surface: 70mm  
 Grit size: D 150

No.	Sectional Form	Product Name
03851		Diamond Flat Needle File
03852		Diamond Pointed Half Round Needle File
03855		Diamond Pointed Round Needle File

No.			
03880	10	40	4.9

▲ Excluded from lifetime warranty terms.

### Hole Saw Arbor



- Hole saw arbor shank, used to connect the hole saw and drill chuck, and playing the positioning role when the hole saw is working
  - Guide drill bit is made of high-speed steel alloy with hardness of HRC63-66
  - Fast exit spring, allowing the round disc easier to be taken out after cutting
- Note: Please wear PPE such as safety goggles during use

No.	Φ (mm)	ℓ (mm)			
53401	14-30	9.5	10	160	17.3
53402	32-152	11.1	6	72	16

▲ Excluded from lifetime warranty terms.



## Bi-Metal Hole Saw



- SATA bimetallic hole saw, with teeth made of high-speed steel with hardness of HRC65-68, strong cutting power, and back material of good toughness, ensuring safety in use
  - Special teeth profile design, achieving smooth swarf expelling and high cutting efficiency
  - High-precision concentricity allows more even force on teeth, prolongs the service life of hole saw, and ensures the quality and precision of holing.
  - Used for cutting wood, aluminum, copper, low carbon steel, cast iron and stainless steel
  - Please add coolant before use
- Note: Please wear PPE such as safety goggles during use

No.	Cutting Diameter (mm)	SAE			
53301	16	5/8"	10	200	7.3
53302	19	3/4"	10	200	8.3
53303	20	25/32"	10	200	9
53304	22	7/8"	10	200	9
53305	25	1"	10	200	13.8
53306	30	1-3/16"	10	200	18.8
53307	32	1-1/4"	10	120	10.6
53308	35	1-3/8"	10	120	12.4
53309	38	1-1/2"	10	120	13.9
53310	44	1-3/4"	6	108	13.2
53311	51	2"	6	108	16.2
53312	57	2-1/4"	6	72	13.6
53313	60	2-3/8"	6	72	14.4
53314	64	2-1/2"	6	72	15.6

▲ Excluded from lifetime warranty terms.

## 53501 Pilot Drill 80mm



- Made of high-speed steel alloy
- Suitable for 53401 and 53402

No.			
53501	20	640	10.6

▲ Excluded from lifetime warranty terms.

## 93451 2Pc. Deburring Tool Set



- Including 1 mini trimmer and 1 piece of ordinary trimmer blade
- Used for trimming edge of the workpieces in the following shapes:  
Deep holes  
Holes  
Curved edge  
Straight holes

No.			
93451	15	150	6

▲ Warranty terms of tool set comply with the individual product.

## 93452 3Pc. Deburring Tool Set



- Including 1 trimmer, 1 standard deburring blades and 1 heavy duty deburring blades
- Used for trimming edge of the workpieces in the following shapes:  
Deep holes  
Holes  
Curved edge  
Straight holes

No.			
93452	8	-	-

▲ Warranty terms of tool set comply with the individual product.

## 93453 5Pc. Standard Deburring Blades



- Used for trimming edge of workpieces made of steel, aluminum and etc.
- Made of M2 high speed steel (HSS), hardness of blade up to 62-64HRC
- Blade diameter: 3.2 mm

No.			
93453	12	-	-

▲ Excluded from lifetime warranty terms.



### 93454 5Pc. Heavy Duty Deburring Blades



- For trimming edge of most workpieces such as those made of stainless steel;
- Made of M35 high speed steel (HSS), adding element cobalt (Co), achieving high durability and strong cutting power. Hardness of blade up to 63HRC;
- Blade diameter: 3.2 mm.

No.			
93454	12	960	20.6

▲ Excluded from lifetime warranty terms.

### 93457 3Pc. Scraper Set



- Special handle: applicable to different quick-change cutting tips;
- Applicable to all types of hand;
- The chuck can adjust and fix length of the cutting tip.

#### SATA 93460

- Reversible triangular scraper;
- Hardness of blade up to 58-60HRC;
- Blade size: 80xΦ4.2 mm;
- Widely used in machining and mold manufacturing;
- Used for scraping, trimming and deburring tools and castings made of various materials.

#### SATA 93461

- HSS triangular scraper;
- Hardness of blade up to 62-64HRC;
- Blade size: 75x- The cutting tip can be operated in more limited space;
- Used for scraping, trimming and deburring objects made of various materials.
- This item is consumable, and is not covered under SATA lifetime warranty.

No.			
93457	10	-	-

▲ Warranty terms of tool set comply with the individual product.

### 93455 5Pc. Medium Duty Deburring Blades



- Used for workpieces made of copper and cast iron, can be operated by both hands
- Made of high speed steel (HSS), the hardness of blade up to 62-64HRC
- Blade diameter: 3.2 mm
- Used together with SATA 2Pc. deburring tool set 93451 and SATA 3pc. deburring tool set 93452

No.			
93455	10	-	-

▲ Excluded from lifetime warranty terms.

### 93456 5Pc. Deburring Blades for Plastics



- Used for plastic materials
- Made of high speed steel (HSS), the hardness of blade up to 62-64HRC
- Blade diameter: 3.2 mm
- Can be operated in holes with diameter as small as 1.5 mm
- Used together with SATA 2Pc. deburring tool set 93451 and SATA 3Pc. deburring tool set 93452

No.			
93456	10	-	-

▲ Excluded from lifetime warranty terms.

### 93458 2Pc. Reversible Triangular Scraper Set



- Special handle: Capable of changing blade quickly
- Suitable for various hand shapes
- Adjustable chuck for locking blade length
- SATA 93460 medium double-headed triangular scraper:
- Suitable for scraping, trimming and burr removing of various material tools and castings
- Applicable to machining and mold manufacturing
- Blade size 80\*4.2mm

No.			
93458	10	-	-

▲ Warranty terms of tool set comply with the individual product.

### 93459 2Pc. Reversible Triangular Scraper Set



- Special handle: Capable of changing blade quickly
- Suitable for various hand shapes
- Adjustable chuck for locking blade length
- SATA 93461 small triangular scraper made of HSS high-speed steel:
- Suitable for scraping, trimming and burr removing of various materials
- Tip applicable in narrow space
- Blade size 75\*3.2mm

No.			
93459	10	-	-

▲ Warranty terms of tool set comply with the individual product.

### 93462 Heavy Duty Rotary Deburring Tool Set



- Capable of quick manual internal chamfering
- Applicable to handle of SATA 93452 3-piece trimmer
- Suitable for SATA 93463 crank counterbore trimmer:
- Applicable aperture range: 1-16.5mm
- Made of HSS high-speed steel

No.			
93462	10	-	-

▲ Warranty terms of tool set comply with the individual product.

### 93460 Reversible Triangular Scraper



- Suitable for scraping, trimming and burr removing of various material tools and castings
- Applicable to machining and mold manufacturing
- Blade size 80\*4.2mm

No.			
93460	10	-	-

▲ Excluded from lifetime warranty terms.

### 93463 Countersink Chamfering Blade



Applicable inner chamfer aperture range: 1-16.5mm

- Made of HSS high-speed steel
- Applicable to handles of SATA 93451 2-piece mini trimmer and SATA 93452 3-piece trimmer

No.			
93463	10	-	-

▲ Excluded from lifetime warranty terms.

### 93461 HSS Triangular Scraper



- Suitable for scraping, trimming and burr removing of various materials
- Tip applicable in narrow space
- Blade size 75\*3.2mm

No.			
93461	10	-	-

▲ Excluded from lifetime warranty terms.

### 93464 Internal O-Ring Groove Deburring Blade



- Suitable for burr removing of O-shaped groove with width of less than 3mm
- Made of HSS high-speed steel
- Applicable to handles of SATA 93451 2-piece mini trimmer and SATA 93452 3-piece trimmer

No.			
93464	10	-	-

▲ Excluded from lifetime warranty terms.



### 93466 External Shaft Chamfering Blade



- Made of HSS high-speed steel
- Applicable to handles of SATA 93451 2-piece mini trimmer and SATA 93452 3-piece trimmer

No.			
93466	10	-	-

▲ Excluded from lifetime warranty terms.

### 50401 Ratcheting Tap & Die Wrench



Arc swing of less than 5° for narrow rotating space



- With the function of arc swing of less than 5°, it can be rotated in a narrow space to ensure that the tap and die adapters are locked
- Through the arrow buttons, quick and easy reversing can be achieved, such that the tap and die adapters can be twisted quickly without manual reversing
- Fully polished and electroplated handle for comfortable grip and long-term operation
- Used with tap adapter 50421/50422 and die adapter 50423

No.			
50401	20	40	13

### Ratcheting Tap Wrench



- Integral all steel machining makes the product suitable for high torque and load applications. The jaws have good toughness and surface hardness.
- The following three positions are set: Fast left-handed, fast right-handed and fixed. This wrench is more durable than the conventional zinc alloy ratchet wrench.
- Provided with a two-way ratchet for tightening the square handle of the tap. Adjustable extension bar with grooves at both ends for snap-on positioning of the ball.
- Ideal for tapping in small stations.

No.	Spec.	L(mm)	Tube Body Diameter (mm)	Four-side Opening (mm)	Four-side Clamping Range (mm)			
50403	M3-M8	85	21	2.6-5.5	2.4-5.5	6	48	11
50404	M5-M12	110	23	4.6-8	4.5-8	6	48	16

▲ Excluded from lifetime warranty terms.

### Steel Tap Wrench



- Made of steel with longer service life than that of zinc alloy wrench
- Blackened surface
- Removable steel handle for use in narrow spaces

No.	Spec.			
50405	M3-M12	10	60	9.2
50406	M5-M20	10	-	-
50407	M9-M27	10	-	-

▲ Excluded from lifetime warranty terms.

### Steel Round Die Wrench



- Made of steel with longer service life than that of zinc alloy wrench
- Blackened surface
- Removable steel handle for use in narrow spaces

No.	Spec.			
50411	M3-M12	10	60	12.5
50412	M14	10	-	-
50413	M16-M20	10	-	-
50414	M22-M24	10	-	-

▲ Excluded from lifetime warranty terms.

### Tap Adaptor



- Automatic locking function for easy and safe removal
- Spring-loaded chuck cap design for quick removal
- Equipped with a simple extension bar for tapping in a small station
- Suitable for M3-M4 taps
- It can be used with a tap and die ratchet wrench or directly with an operating lever

No.	Spec.			
50421	M3-M4	20	40	7.8
50422	M5-M12	20	40	9.8

▲ Excluded from lifetime warranty terms.



### 50454 22 pc Speed Steel Coarse Tap Twist Set



- 14 pc nosecone / diagonal cone: M3X0.5, M4X0.7, M5X0.8, M6X1, M8X1.25, M10X1.5, M12X1.75
- 7 pc twist:  $\varnothing$  2.5,  $\varnothing$  3.3,  $\varnothing$  4.2,  $\varnothing$  5,  $\varnothing$  6.8,  $\varnothing$  8.5,  $\varnothing$  10.2
- 1 pc steel tap wrench M3-M12
- Subjected to grinding process
- Surface subjected to steam oxidation for smooth tapping without bonding
- Longer service life compared with that of regular tap

No.			
50454	-	9	-

▲ Warranty terms of tool set comply with the individual product.

### 50455 37 pc Speed Steel Coarse Tap Die Twist Set



- 14 pc nosecone / diagonal cone: M3X0.5, M4X0.7, M5X0.8, M6X1, M8X1.25, M10X1.5, M12X1.75
- 7 pc die: M3X0.5, M4X0.7, M5X0.8, M6X1, M8X1.25, M10X1.5, M12X1.75
- 7 pc twist:  $\varnothing$  2.5,  $\varnothing$  3.3,  $\varnothing$  4.2,  $\varnothing$  5,  $\varnothing$  6.8,  $\varnothing$  8.5,  $\varnothing$  10.2
- 5 pc screw extractor: N0.1, N0.2, N0.3, N0.4, N0.5
- 1 pc steel tap wrench M3-M12
- 1 pc steel die wrench M3-M12
- 1 pc special screwdriver
- 1 pc screw gauge
- Subjected to grinding process
- Surface subjected to steam oxidation for smooth tapping without bonding
- Longer service life compared with that of regular tap

No.			
50455	-	-	-

▲ Warranty terms of tool set comply with the individual product.

### 50457 7Pc. Threading Tool Set



- Made of HSS 6542 high-speed steel, and with full grinding process
- Time and labor saving. One-time operation can complete the whole process such as drilling, tapping, deburring/countersinking
- Designed with back tap after tapping, to prevent damaging threads after over-drilling
- After tapping, the drill bit spins reversely to ext
- Tapping speed is generally slower than drilling speed, and a little lubricant should be applied
- Scope of application: in general, processing of carbon steel, alloy steel, cast iron, etc
- Specifications of 6-piece compound tap drill: M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5
- 1/4" quick change magnetic holder

No.			
50457	5	10	4

▲ Warranty terms of tool set comply with the individual product.

### 5 pc Speed Steel Coarse Machine Tap



- Surface subjected to steam oxidation for smooth tapping without bonding
- Longer service life compared with that of regular tap
- Suitable for processing carbon steel, alloy steel and cast iron

No.	Spec.	Pitch (MM)	Thread (mm)	L (mm)	Shank Diameter (mm)	Party width (MM)	Taping depth $\leq 2 \times d$ (mm)			
50603	M3	0.5	11	48	3.15	2.5	9	20	120	4
50604	M4	0.7	13	53	4	3.15	12	20	120	5
50605	M5	0.8	16	58	5	4	15	10	80	5.8
50606	M6	1	19	66	6.3	5	18	10	80	7.8
50608	M8	1.25	22	72	8	6.3	24	10	80	11.4
50610	M10	1.5	24	80	10	8	30	5	60	14
50612	M12	1.75	29	89	9	10	36	5	60	15
50614	M14	2	30	95	11.2	9	28	6	-	-
50616	M16	2	32	102	12.5	10	32	6	-	-
50618	M18	2.5	37	112	14	11.2	36	6	-	-
50620	M20	2.5	37	112	14	11.2	40	2	-	-
50622	M22	2.5	38	118	16	12.5	44	2	-	-
50624	M24	3	45	130	18	14	48	2	-	-

▲ Excluded from lifetime warranty terms.

### 50423 Die Adaptor M3-M12



- Patented twist lock guide rail, to ensure the accurate concentricity of threading die
- Applicable to isometric round die
- To be used with patented tap and die ratchet wrench

No.			
50423	20	40	6.7

▲ Excluded from lifetime warranty terms.

### 50452 32Pc. HSS Coarse Thread Tap & Die Set



- High accuracy with full milling process
- Vapor oxide surface treatment to make tapping smoother
- Longer lifecycle than other traditional tap and die
- Scope of Application: Used for machining for material of carbon steel, alloy steel and casting iron, etc.
- 21Pc. Tap Set (M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75)x3Pc.
- 7Pc. Die Set (M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75)
- 1Pc. Adjustable Tap Wrench M3-M12
- 1Pc. Die Stock M3-M12
- 1Pc. Screwdriver
- 1Pc. Thread Pitch Gauge

No.			
50452	-	10	16.1

▲ Warranty terms of tool set comply with the individual product.

### 50451 40Pc. HSS Coarse Thread Tap & Die Set



- 21Pc. Tap Set: M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75
- 7Pc. Die Set: M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75
- 5Pc. Threaded Extractor Set
- 1Pc. Ratcheting Tap Wrench
- 2Pc. Tap Adaptor M3-M4, M5-M12
- 1Pc. Die Adaptor M3-M12
- 1Pc. Handle
- 1Pc. CRV Hex Key 4MM
- 1Set Thread Pitch Gauge
- SATA ratcheting tap and die wrench offers higher torque, makes the operation quicker and more durable as well
- Full milling process to make die have higher accuracy
- Vapor oxide surface treatment to make tapping smoother, longer lifecycle than other traditional tap
- Used for machining for material of carbon steel, alloy steel and casting iron, etc.

No.			
50451	1	8	16.2

▲ Warranty terms of tool set comply with the individual product.

### 50453 21Pc. HSS Coarse Thread Tap Set



- High accuracy with full milling process
- Vapor oxide surface treatment to make tapping smoother
- Longer lifecycle than other traditional tap and die
- Scope of Application: Used for machining for material of carbon steel, alloy steel and casting iron, etc.
- 21Pc. Tap Set (M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75)x3Pc.

No.			
50453	-	20	15

▲ Warranty terms of tool set comply with the individual product.

## Speed Steel Manual Tap (Set)



- Surface subjected to steam oxidation for smooth tapping without bonding
- Longer service life compared with that of regular tap
- Applicable for machine
- Suitable for processing carbon steel, alloy steel and cast iron

No.	Spec.	Pitch (MM)	Thread (mm)	L (mm)	Shank Diameter (mm)	Party width (MM)	Taping depth $\leq 2 \times d$ (mm)			
50703	M3	0.5	11	48	3.15	2.5	6	30	-	-
50704	M4	0.7	13	53	4	3.15	8	30	-	-
50705	M5	0.8	16	58	5	4	10	30	-	-
50706	M6	1	19	66	6.3	5	12	30	-	-
50708	M8	1.25	22	72	8	6.3	16	20	-	-
50710	M10	1.5	24	80	10	8	20	20	-	-
50712	M12	1.75	29	89	9	7.1	24	20	-	-

▲ Warranty terms of tool set comply with the individual product.

## 5Pc. HSS Drill/Tap Bits



- Time and labor saving. One-time operation can complete the whole process including drilling, tapping, deburring, and countersinking
- Designed with back tap after tapping, to prevent damaging threads after over-drilling
- After tapping, the drill bit spins in reverse to exit
- Tapping speed is generally slower than drilling speed, and a little lubricant should be applied
- Scope of application: in general, processing of carbon steel, alloy steel, cast iron, etc

### Warning:

- Must wear goggles to avoid possible broken danger
- Be careful to harm of flying swarf when using
- Do not touch the cutting edge with hands

No.	Spec.	Screw Pitch (mm)	Thread (mm)	Length (mm)	Hexagonal Shank Diameter (mm)	Depth of Tapping $\leq 3 \times d$ (mm)			
50803	M3	0.5	99	52.3	7.2	9	10	80	6
50804	M4	0.7	12	52.3	7.2	12	10	80	6
50805	M5	0.8	12	56.6	7.2	15	10	80	7
50806	M6	1.0	12	56.6	7.2	18	10	80	6
50808	M8	1.25	14	57.2	7.2	24	10	80	8
50810	M10	1.50	24	57.9	7.2	30	5	60	8

▲ Excluded from lifetime warranty terms.

## HSS Coarse Thread Die



50904



50916

- HSS speed steel 6542
- Application: Suitable for through-hole processing of carbon steel, alloy steel and cast iron

### Warning:

- Pay attention to the danger of damage, and wear protective goggles
- When using, there are chips flying out; pay attention to safety to avoid injury. Do not touch the blade with your hand

No.	Spec.	Screw Pitch (mm)	OD × Thickness (mm)			
50903	M3	0.5	25 × 9	10	120	5.8
50904	M4	0.7	25 × 9	10	120	5.8
50905	M5	0.8	25 × 9	10	120	5.8
50906	M6	1	25 × 9	10	120	5.8
50908	M8	1.25	25 × 9	10	120	5.2
50910	M10	1.50	25 × 9	10	120	5.2
50912	M12	1.75	25 × 9	10	120	4.9
50914	M14	2.0	38 × 14	10	-	-
50916	M16	2.0	45 × 18	10	-	-
50918	M18	2.5	45 × 18	10	-	-
50920	M20	2.5	45 × 18	10	-	-
50922	M22	2.5	55 × 22	5	-	-
50924	M24	3.0	55 × 22	5	-	-

▲ Excluded from lifetime warranty terms.