



Cutting Tool

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93101A Aviation Snips 10", Left-hand Cut

- Precise fit, ensuring no deviation during cutting
- Safety circlip design and large plastic handle, easy to grip
- Max. cutting capability: 1.2MM cold rolled steel sheet or 0.7MM stainless steel plate
- Made of chrome-vanadium steel. Cutting port with special quenching treatment, making a smoother cutting and no crack

No.	Spec.	Cold rolled iron plate(mm)	Stainless steel plate(mm)			
93101A	10"	1.2	0.8	-	6	0.37

▲ Excluded from lifetime warranty terms.



93102A Aviation Snips 10", Right-hand Cut

- Available in straight or right cutting
- Serrated cutting blades avoid slip when cutting
- TPR handle makes comfortable when gripping
- Forged & hardened Cr-Mo blades for long service life
- Maximum cutting capacity: 1.2mm cold rolled iron plate or 0.8mm stainless steel plate

No.	Spec.	Cold rolled iron plate(mm)	Stainless steel plate(mm)			
93102A	10"	1.2	0.8	-	6	0.37

▲ Excluded from lifetime warranty terms.



Aviation Snips, Straight Cut

- Available in straight, left or right cutting
- TPR handle makes comfortable when gripping
- Serrated cutting blades avoid slip when cutting
- Forged & hardened Cr-Mo blades for long service life
- Maximum cutting capacity: 1.2mm cold rolled iron plate or 0.8mm stainless steel plate

No.	Spec.	Cold rolled iron plate(mm)	Stainless steel plate(mm)			
93103A	10"	1.2	0.8	-	6	0.38
93104A	10"	1.2	0.8	-	6	0.45

▲ Excluded from lifetime warranty terms.



Heavy Duty Bolt Cutter

- Two-colored anti-slip grips
- The blade is forged with Cr-V steel
- High frequency quenching for cutting edge

No.	Spec.	Cutting capability for low carbon steel (0mm)	Cutting capability for Medium carbon steel (0mm)	Blade spare part No			
93501A	8"	Ø35	Ø37	/	1	6	0.29
93502A	12"	Ø5	Ø4	P93502A-01	1	4	0.82
93503A	14"	Ø7	Ø5	P93503A-01	1	4	0.97
93504A	18"	Ø8	Ø6	P93504A-01	1	4	1.55
93505A	24"	Ø10	Ø8	P93505A-01	1	4	2.5
93506A	30"	Ø13	Ø10	P93506A-01	1	4	3.95
93507A	36"	Ø16	Ø12	P93507A-01	1	4	5.5
93508A	42"	Ø19	Ø14	P93508A-01	1	2	7.95
93509A	48"	Ø22	Ø16	P93509A-01	1	2	9.65

▲ Excluded from lifetime warranty terms.



93121 Antislip Scissors 8"

- It is suitable for high strength and high toughness fabrics such as Kevlar
- The blade is serrated, sharp and can prevent slipping
- The thickening and lengthening blade design can save labor and prevent deformation during shearing
- Surface plating process improves wear resistance and prolongs product life

Scope of application:

- Kevlar fabric, copper wire, leather, cardboard, plastic plate and thin aluminum sheet, soft wire below Φ1mm

No.			
93121	10	40	8

▲ Excluded from lifetime warranty terms.



93122 Stainless Steel Scissors 7"

- The blade is made of high-grade stainless steel, which is suitable for various environments such as family, office, factory and so on.
- The handle is made of zinc alloy, durable and enlarged grip design, so that it can be used for a long time.
- Longer blade design can save effort during cutting.

Scope of application:

- Copper wire, leather, cardboard, plastic plate and thin aluminum sheet

No.			
93122	12	96	20

▲ Excluded from lifetime warranty terms.



93123 Universal Scissors

- The blade is made of high-grade stainless steel with sharp and durable edge
- The cutter edge has anti-skid tooth design to avoid skidding during shearing
- Aluminum alloy handle, shear more forcefully
- Anti-rust as a whole, suitable for humid environment, camera, and various precision instruments and equipment

No.	L×W×H (mm)			
93123	200×85×12	-	-	0.14

▲ Excluded from lifetime warranty terms.



93125A Multi-purpose Electrical Scissors

- The blade is serrated, sharp and can prevent slipping
- Special shearing port, suitable for all kinds of wire shearing
- Hardness up to HRC55±3

No.	L×W×H (mm)			
93125A	150×80×18	4	-	0.15

▲ Excluded from lifetime warranty terms.



Straight Pattern Tinner's Snips

No.	Spec.	L (mm)	Cold-Rolling Iron Plate (mm)	Stainless Steel Plate (mm)			
93302	8"	205	0.61	0.41	8	48	17.5
93303	10"	270	0.78	0.45	6	36	20.5
93304	12"	331	0.91	0.63	6	24	17.1
93305	14"	360	1.2	0.7	6	24	20.8
93306	16"	415	1.6	1	-	10	18.5

▲ Excluded from lifetime warranty terms.



Straight Snips

- Forged body for good strength
- Finely machined blades for smooth cutting

No.	Spec.	L (mm)	Cold-Rolling Iron Plate (mm)	Stainless Steel Plate (mm)			
93211	7"	183	0.6	0.36	-	36	-
93213	10"	260	0.7	0.45	-	24	-
93216	12"	312	0.9	0.7	-	24	-
93219	16"	420.9	1.5	1.2	-	16	-

▲ Excluded from lifetime warranty terms.



93214 Bent Snips 10"

- Offset handle to keep the handle above the cut material for safety
- Forged body for good strength
- Finely machined blades for smooth cutting

No.	Spec.	L (mm)	Cold-Rolling Iron Plate (mm)	Stainless Steel Plate (mm)			
93214	10"	285.7	0.7	0.45	-	24	-

▲ Excluded from lifetime warranty terms.

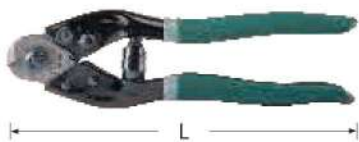


Pointed Snips

- Pointed blade for cutting straight, leftward and rightward bent wires
- Forged body for good strength
- Finely machined blades for consistent cutting performance

No.	Spec.	L (mm)	Cold-Rolling Iron Plate (mm)	Stainless Steel Plate (mm)			
93215	10"	263	0.6	0.45	-	24	-
93218	12"	325.6	0.7	0.6	-	24	-

▲ Excluded from lifetime warranty terms.



93601 Wire Rope Cutter 8"

- Blade made of Cr-V
- Capable of cutting single or multiple wire ropes, spring steel wires, cables, etc.

No.	L(mm)	Max. Cutting Capacity(mm)			
93601	190	Wire rope Ø5 Spring steel wire Ø1.6	6	36	14

▲ Excluded from lifetime warranty terms.



Straight Pattern Tinner's Snips

- With anti-slip screw which can prevent slipping during cutting
- Shot blasting on entire surface for aesthetic appearance
- The cutting edge hardened by high frequency quenching makes cutting smooth
- The whole item has undergone heat treatment, which makes it durable

No.	Spec.	L(mm)			
93201	8"	205	6	48	0.4
93203	12"	305	6	24	0.8
93204	14"	355	5	20	1

▲ Excluded from lifetime warranty terms.



*** means new product

Straight Pattern Tinner's Snips

- With anti-slip screw which can prevent slipping during cutting
- Shot blasting on entire surface for aesthetic appearance
- The cutting edge hardened by high frequency quenching makes cutting smooth
- The whole item has undergone heat treatment, which makes it durable

No.	Spec.	L(mm)			
93202	10"	255	6	36	0.5
93205*	10"	263	-	-	-
93206*	10"	263	-	-	-

▲ Excluded from lifetime warranty terms.



93603 Wire Rope Cutter 24"

- Blade made of Cr-V
- Capable of cutting single or multiple wire ropes and cables
- Handle made of aluminum alloy for lightness and durability

No.	L(mm)	Max. Cutting Capacity(mm)			
93603	625	Wire rope Ø12mm Cable 150mm ²	1	4	10

▲ Excluded from lifetime warranty terms.



93473 Wire Stripping Knife, Straight Blades

- With sharp & durable ultra-finished blade
- Used for handling wires and cables in electric power industry and related industries

No.			
93473	10	40	5.7

▲ Excluded from lifetime warranty terms.



93474 Wire Stripping Knife, Curved Blades

- With sharp & durable ultra-finished blade
- Including sickle shaped blade, with sliding guide on the cutting tip, without damaging cable core.
- Used for handling wires and cables in electric power industry and related industries

No.			
93474	10	40	5.9

▲ Excluded from lifetime warranty terms.



93107 Electricians Scissors, Curved Blades 7"

- Precision-machined blade, being sharp and durable
- Two-tone ergonomic handle for skid resistance and comfort
- Small-angle cutting edge for cutting hard objects
- Self-tension spring for convenient operation
- Adjustable bolted joint for easy maintenance

No.			
93107	10	40	8.2

▲ Excluded from lifetime warranty terms.



93108 Electricians Coaxial Cable Cutter 7"

- Ultra-precision blade, sharp and durable
- 10mm copper-alumi
- Hardness up to HRC55+/-3
- With self-tensing spring, much easier to use
- Adjustable bolted joint for easy maintenance

Scope of application:

- Cutting capacity: Max Ø10mm copper-alumi cable

No.			
93108	10	40	7.9

▲ Excluded from lifetime warranty terms.



93105 Electricians Scissors 7"

- The blade is serrated, sharp and can prevent slipping
- With special anti-slip groove for easy wire cutting
- Hardness up to HRC55+/-3
- Designed with small cutting edge for cutting hard objects
- With self-tensing spring, much easier to use
- Adjustable bolted joint for easy maintenance

Scope of application:

- 4-conductor copper cable, Fishing line
- Ø0.5mm The following soft wire
- Leather, Cardboard, plastic sheet, thin aluminum sheet
- Do not use it to cut the steel wire.

No.			
93105	10	40	7.8

▲ Excluded from lifetime warranty terms.



93109 Heavy Duty Electricians Cable Cutter 7"

- Ultra-precision blade, sharp and durable
- 10mm copper-alumi
- Hardness up to HRC55+/-3
- With self-tensing spring, much easier to use
- Adjustable bolted joint for easy maintenance

Scope of application:

- Cutting capacity: Max Ø10mm copper-alumi cable

No.			
93109	10	40	8.2

▲ Excluded from lifetime warranty terms.



93110 Electricians Diagonal Cutter 7"

- With sharp & durable ultra-finished blade
- Suitable for electronic factory operation
- Self-stretching spring, more convenient to use

Scope of application:

- 4-conductor copper cable
- Ø0.5mm The following soft wire
- Plastic nozzle
- Do not use it to cut the steel wire.

No.			
93110	10	40	7.4

▲ Excluded from lifetime warranty terms.



93106 Electricians Scissors 8"

- Precision-machined blade, being sharp and durable
- Two-tone ergonomic handle for skid resistance and comfort
- Small-angle cutting edge for cutting hard objects
- Self-tension spring for convenient operation
- Adjustable bolted joint for easy maintenance

No.			
93106	10	40	8.2

▲ Excluded from lifetime warranty terms.



93126 Rubber Grip Heavy Duty Scissors

- Thickened titanium-plated blade for heavy-duty cutting
- Concealed spring facilitating operation and avoiding jamming
- Rubber-coated handle for comfort

No.			
93126	4	24	6.1

▲ Excluded from lifetime warranty terms.



93130 Blade Replaceable Scissors

- High-quality blade, smooth cut, no damage to the sheared object
- The blade can be easily replaced with 2 Replacement Blades
- Maximum shear diameter: 10mm
- Note: not suitable for cutting metal materials

No.	L×W×H (mm)				
93130	180×53×16		-	-	0.18

▲ Excluded from lifetime warranty terms.



HSS-TIN Twist Drill

- This product is made of High Speed Steel. The drill bit is formed by fully ground with precision dimension
- TIN coating on the surface is adopted to effectively increase the cutting speed and prolong the service life

10Pc. HSS-TIN TWIST DRILL

No.	Spec. (mm)	L1(mm)	L2(mm)			
52110A	1	12	34	20	400	-
52115A	1.5	18	43	20	400	-
52120A	2	24	49	20	400	-
52125A	2.5	30	57	20	400	-
52128A	2.8	33	61	20	400	-
52130A	3	33	61	20	400	-
52132A	3.2	36	65	20	400	-
52133A	3.3	36	65	20	400	-
52135A	3.5	39	70	20	400	-
52138A	3.8	43	75	10	60	-
52140A	4	43	75	10	60	-
52142A	4.2	43	75	10	60	-
52145A	4.5	47	80	10	60	-
52148A	4.8	52	86	10	60	-
52150A	5	52	86	10	60	-
52152A	5.2	52	86	10	60	-
52155A	5.5	57	93	10	60	-
52160A	6	57	93	10	60	-
52165A	6.5	63	101	10	60	-
52168A	6.8	69	109	10	60	-
52170A	7	69	109	10	60	-
52175A	7.5	69	109	10	60	-
52180A	8	75	117	10	50	-
52185A	8.5	75	117	10	50	-

▲ Excluded from lifetime warranty terms.

5Pc. HSS-TIN TWIST DRILL

No.	Spec. (mm)	L1(mm)	L2(mm)			
52190A	9	81	125	5	30	-
52195A	9.5	81	125	5	30	-
52200A	10	87	133	5	30	-
52205A	10.5	87	133	5	30	-
52210A	11	94	142	5	30	-
52215A	11.5	94	142	5	30	-
52220A	12	101	151	5	30	-
52225A	12.5	101	151	5	30	-
52230A	13	101	151	5	30	-

▲ Excluded from lifetime warranty terms.



93127 General Long-Blade Scissors

- Lengthen the cutting edge, cutting more labor-saving
- Symmetrical handle, both right and left hands are convenient to use

No.			
93127	4	24	5

▲ Excluded from lifetime warranty terms.



HSS Fully Ground Twist Drill

- This product is made of High Speed Steel. The drill bit is formed by fully ground with precision dimension
- The Black & Amber technology on surface is adopted to effectively increase the cutting speed and prolong the service life

10Pc. HSS Fully Ground Twist Drill

No.	Spec.	L1(mm)	L2(mm)			
52610	1.0	12	34	-	-	-
52615	1.5	18	43	-	-	-
52620	2.0	24	49	-	-	-
52625	2.5	30	57	-	-	-
52628	2.8	33	61	-	-	-
52630	3.0	33	61	-	-	-
52632	3.2	36	65	-	-	-
52633	3.3	36	65	-	-	-
52635	3.5	39	70	-	-	-
52638	3.8	43	75	-	-	-
52640	4.0	43	75	-	-	-
52642	4.2	43	75	-	-	-
52645	4.5	47	80	-	-	-
52648	4.8	52	86	-	-	-
52650	5.0	52	86	-	-	-
52652	5.2	52	86	-	-	-
52655	5.5	57	93	-	-	-
52660	6.0	57	93	-	-	-
52665	6.5	63	101	-	-	-
52668	6.8	69	109	-	-	-
52670	7.0	69	109	-	-	-
52675	7.5	69	109	-	-	-
52680	8.0	75	117	-	-	-
52685	8.5	75	117	-	-	-

▲ Excluded from lifetime warranty terms.

5Pc. HSS Fully Ground Twist Drill

No.	Spec. (mm)	L1(mm)	L2(mm)			
52690	9.0	81	125	-	-	-
52695	9.5	81	125	-	-	-
52700	10.0	87	133	-	-	-
52705	10.5	87	133	-	-	-
52710	11.0	94	142	-	-	-
52715	11.5	94	142	-	-	-
52720	12.0	101	151	-	-	-
52725	12.5	101	151	-	-	-
52730	13.0	101	151	-	-	-

▲ Excluded from lifetime warranty terms.



93128 Rubber Grip Long-Blade Scissors

- Thickened titanium-plated blade for heavy-duty cutting
- Offset handle keeping the handle above the material to be cut for safety
- Rubber-coated handle for comfort

No.			
93128	4	24	7.1

▲ Excluded from lifetime warranty terms.

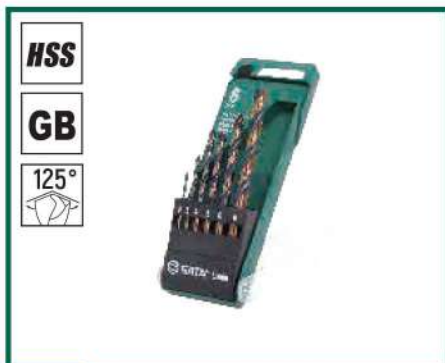


93129 Rubber Grip Long-Blade Heavy Duty Scissors

- Thickened titanium-plated blade for heavy-duty cutting
- Concealed spring facilitating operation and avoiding jamming
- Pass-thru metal handle for high strength
- Enlarged rubber-coated handle for comfort

No.			
93129	4	24	8.5

▲ Excluded from lifetime warranty terms.



52506 6Pc. HSS Fully Ground Twist Drill Set

No.	Spec. (mm)			
52906A	2, 3, 4, 5, 6, 8	-	-	-

▲ Excluded from lifetime warranty terms.

HSS

GB

125°



52510 10Pc. HSS Fully Ground Twist Drill Set

No.	Spec. (mm)			
52510	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	-	-	-

▲ Excluded from lifetime warranty terms.

HSS

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GB

135°



52906A 6Pc. HSS-TiN Twist Drill Set

No.	Spec. (mm)			
52906A	2, 3, 4, 5, 6, 8	-	100	11.5

▲ Excluded from lifetime warranty terms.

HSS

GB

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135°



52925 13Pc. HSS-TiN Twist Drill Set

- This product is made of High Speed Steel. The drill bit is formed by fully ground with precision dimension
- 135° double clearance angle has the auto-centering function to prevent slippage during drilling
- TiN coating on the surface is adopted to effectively increase the cutting speed and prolong the service life

No.	Spec. (mm)			
52925	1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0	-	-	-

▲ Excluded from lifetime warranty terms.

HSS

GB

125°



52513 13Pc. HSS Fully Ground Twist Drill Set

No.	Spec. (mm)			
52513	1.5, 2.0, 2.5, 3.0, 3.2, 3.5, 4.0, 4.5, 4.8, 5.0, 5.5, 6.0, 6.5	-	-	-

▲ Excluded from lifetime warranty terms.

HSS

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GB

135°



52910A 10Pc. HSS-TiN Twist Drill Set

No.	Spec. (mm)			
52910A	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	-	80	20.6

▲ Excluded from lifetime warranty terms.

135°

M35

HSS-CO

Stainless Steel

GB



Cobalt Twist Drill

- Made of M35 high vanadium high-speed steel containing cobalt, the twist drill supports operation on alloy and non-alloyed materials below HB250 such as cast steel, cast iron, die-casting fitting, nonferrous metal, aluminum, rigid plastic.

10Pc. Cobalt Twist Drill

No.	Spec. (mm)	L1(mm)	L2(mm)			
52310	1.0	12	34	20	400	6.9
52315	1.5	20	40	20	400	8.1
52320	2.0	24	49	20	400	9.7
52325	2.5	30	57	20	400	10.9
52328	2.8	33	61	20	400	12.9
52330	3.0	33	61	20	400	16
52332	3.2	36	65	20	400	18
52333	3.3	36	65	20	400	18.4
52335	3.5	39	71	20	400	22
52338	3.8	43	75	10	60	5
52340	4.0	43	75	10	60	5.5
52342	4.2	43	75	10	60	5.9
52345	4.5	47	85	10	60	6.9
52348	4.8	52	86	10	60	7.9
52350	5.0	52	86	10	60	8.5
52352	5.2	52	86	10	60	9
52355	5.5	57	93	10	60	10.2
52360	6.0	57	93	10	60	11.5
52365	6.5	63	101	10	60	14.1
52368	6.8	69	109	10	60	14.9
52370	7.0	69	109	10	60	17.1
52375	7.5	69	109	10	60	19.2
52380	8.0	75	117	10	50	11.2
52385	8.5	75	117	10	50	12.2

▲ Excluded from lifetime warranty terms.

5Pc. Cobalt Twist Drill

No.	Spec. (mm)	L1(mm)	L2(mm)			
52390	9.0	81	125	5	30	8.9
52395	9.5	81	125	5	30	9.5
52400	10.0	87	133	5	30	11
52405	10.5	87	133	5	30	11.9
52410	11.0	97	142	5	30	13.5
52415	11.5	97	142	5	30	14.7
52420	12.0	101	151	5	30	16.3
52425	12.5	101	151	5	30	17.7
52430	13.0	101	151	5	30	19

▲ Excluded from lifetime warranty terms.

HSS

GB

125°



52519 19Pc. HSS Fully Ground Twist Drill Set

No.	Spec. (mm)			
52519	1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0	-	-	-

▲ Excluded from lifetime warranty terms.

HSS

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135°



52913 13Pc. HSS-TiN Twist Drill Set

- This product is made of High Speed Steel. The drill bit is formed by fully ground with precision dimension
- 135° double clearance angle has the auto-centering function to prevent slippage during drilling
- TiN coating on the surface is adopted to effectively increase the cutting speed and prolong the service life

No.	Spec. (mm)			
52913	1.5, 2.0, 2.5, 3.0, 3.2, 3.5, 4.0, 4.5, 4.8, 5.0, 5.5, 6.0, 6.5	-	-	-

▲ Excluded from lifetime warranty terms.

HSS

GB

125°



52525 25Pc. HSS Fully Ground Twist Drill Set

No.	Spec. (mm)			
52525	1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0	-	-	-

▲ Excluded from lifetime warranty terms.

HSS

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GB

135°



52919A 19Pc. HSS-TiN Twist Drill Set

No.	Spec. (mm)			
52919A	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	-	30	21.1

▲ Excluded from lifetime warranty terms.



Grinding Wheel

- High grinding speed
- 3-layer glass fiber mesh, with high safety and revolving strength meeting European standard
- Suitable for mainstream drive tools in the market
- Surface grinding
- Welding scar cleaning
- Chamfering and deburring

No.	OD (mm)	ID (mm)	Thickness (mm)	Minimum order quantity (pc)			
55200	100	16.00	6.00	200	25	200	2.9
55220	100	16.00	4.00	200	25	200	1.4
55221	100	16.00	6.00	200	25	200	2.9
55222	125	22.23	6.00	100	25	100	4.4
55223	150	22.23	6.00	100	25	100	6.4
55224	180	22.23	6.00	50	10	50	3.8

▲ Excluded from lifetime warranty terms.



Cutting-Off Wheel

- Fast cutting with less burr and less deformation
- High safety and revolving strength meeting European standard
- Capable of cutting metal plate and thin-wall profiles with thickness no more than 1.6mm
- Capable of cutting solid materials and profiles with standard thickness
- Rail cutting blades for cutting railway and subway tracks

No.	OD (mm)	ID (mm)	Thickness (mm)	Minimum order quantity (pc)			
55002	105	16.00	1.00	400	25	400	0.6
55010	105	16.00	1.20	600	25	600	0.6
55015	355	2540	2.60	25	5	25	3.2
55018	400	32.00	3.00	20	5	20	4.8
55032	100	16.00	1.20	600	25	600	0.6
55033	100	16.00	2.50	400	25	400	1.1
55040	105	16.00	1.20	600	25	600	0.6
55041	107	16.00	1.20	600	25	600	0.6
55046	125	22.23	1.60	400	25	400	1.1
55049	125	22.23	3.00	200	25	200	2.1
55050	150	22.23	1.60	200	25	200	1.6
55053	150	22.23	3.00	150	25	150	3.3
55054	180	22.23	1.60	200	25	200	2.6
55057	180	22.23	3.00	100	25	100	4.8
55070	300	2540	3.00	25	5	25	2.8
55075	355	2540	3.00	25	5	25	3.8
55080	400	32.00	3.20	20	5	20	4.8
55090	355	2540	4.00	10	5	10	4.5

▲ Excluded from lifetime warranty terms.



Flap Discs

- Different particle sizes available for various grinding requirements on surface smoothness
- Soft grinding with low vibration and low noise
- Low operating pressure
- Seven-layer fiber back disk with high safety, suitable for mainstream drive tools in the market
- Surface grinding with grain sizes of 40, 60, 80 and 120 meshes available
- Weld bead cleaning
- Chamfering and deburring

No.	OD (mm)	ID (mm)	Number of Mesh (es)	Minimum order quantity (pc)			
55401	100	16	40	200	10	200	13.8
55402	100	16	60	200	10	200	13.7
55403	100	16	80	200	10	200	11.9
55404	100	16	120	200	10	200	11.2
55411	125	22.23	40	100	10	100	12.1
55412	125	22.23	60	100	10	100	11.4
55413	125	22.23	80	100	10	100	10.3
55414	125	22.23	120	100	10	100	9.7
55421	180	22.23	40	50	5	50	11.6
55422	180	22.23	60	50	5	50	11.6
55423	180	22.23	80	50	5	50	10.2
55424	180	22.23	120	50	5	50	9.8

▲ Excluded from lifetime warranty terms.



Zirconia Flap Discs

- Applicable for various particle sizes and various grinding requirements of workpiece surfaces
- Soft grinding with low vibration and low noise
- 10-layer fiber back plate structure with high safety, suitable for mainstream drive tools with high power in the market
- Surface grinding with grain sizes of 40, 60, 80 and 120 meshes available
- 40 and 60 meshes for grinding aluminum alloy workpiece
- Suitable for grinding surface and edge of aluminum alloy, stainless steel, chromium and nickel steel, low alloy steel, high alloy steel and cast iron, and cleaning welding scar

No.	Spec. (mm)	OD (mm)	ID (mm)	Number of Mesh (es)	Minimum order quantity (pc)			
55501	125×P40×22.23	125	22.23	40	100	10	100	0.5
55502	125×P60×22.23	125	22.23	60	100	10	100	0.5
55503	125×P80×22.23	125	22.23	80	100	10	100	0.5
55504	125×P120×22.23	125	22.23	120	100	10	100	0.5
55505	180×P40×22.23	180	22.23	40	80	10	80	0.7
55506	180×P60×22.23	180	22.23	60	80	10	80	0.6
55507	180×P80×22.23	180	22.23	80	80	10	80	0.6
55508	180×P120×22.23	180	22.23	120	80	10	80	0.6

▲ Excluded from lifetime warranty terms.



Self-Adhesive Discs



Self-Adhesive Discs, 6 Hole



Self-Adhesive Discs, 15 Hole



Flap Discs

Application

- Flocked on the back for quick sticking with pneumatic or electric grinding machine
- Meeting surface polishing requirements of metal surface, putty, paint, wood, plastic and various composite materials

Recommendation

- Particle size of P80-P240 used with grinder with an eccentricity of 5mm for rough grinding surfaces of putty, metal or wood
- Particle size of P320 - P600 used with grinder with an eccentricity of 2.5mm for fine grinding before spraying

Self-Adhesive Discs

No.	Spec. (mm)	Package (pc/inner box)	Package (pc/case)	Minimum order quantity/case			
55602	Ø125×P80	100	1000	1000	100	1000	1
55604	Ø125×P120	100	1000	1000	100	1000	1
55606	Ø125×P180	100	1000	1000	100	1000	1
55608	Ø125×P240	100	1000	1000	100	1000	1
55610	Ø125×P320	100	1000	1000	100	1000	1
55611	Ø125×P400	100	1000	1000	100	1000	1
55613	Ø125×P600	100	1000	1000	100	1000	1

▲ Excluded from lifetime warranty terms.

Self-Adhesive Discs, 6 Hole

No.	Spec. (mm)	Package (pc/inner box)	Package (pc/case)	Minimum order quantity/case			
55622	Ø125×P80	100	1000	1000	100	1000	1
55624	Ø125×P120	100	1000	1000	100	1000	1
55626	Ø125×P180	100	1000	1000	100	1000	1
55628	Ø125×P240	100	1000	1000	100	1000	1
55630	Ø125×P320	100	1000	1000	100	1000	1
55631	Ø125×P400	100	1000	1000	100	1000	1
55633	Ø125×P600	100	1000	1000	100	1000	1

▲ Excluded from lifetime warranty terms.

Self-Adhesive Discs, 15 Hole

No.	Spec. (mm)	Package (pc/inner box)	Package (pc/case)	Minimum order quantity/case			
55662	Ø150×P80	100	1000	1000	100	1000	1
55664	Ø150×P120	100	1000	1000	100	1000	1
55666	Ø150×P180	100	1000	1000	100	1000	1
55668	Ø150×P240	100	1000	1000	100	1000	1
55670	Ø150×P320	100	1000	1000	100	1000	1
55671	Ø150×P400	100	1000	1000	100	1000	1
55673	Ø150×P600	100	1000	1000	100	1000	1

▲ Excluded from lifetime warranty terms.

Industrial Scouring Pad (Green)

- Suitable for cleaning stainless steel, aluminum, copper and other metal materials, as well as removing burrs, wire drawing, and blending
- Soft grinding: It can fit all kinds of workpiece surface, such as curved surface and corner
- Elastic structure: prevent blocking and tear
- Cold grinding: It adopts open mesh three-dimensional structure to avoid deformation and discoloration caused by overheating in processing

No.	Spec. (mm)			
56005	150X230MM(6"X9"); 150X230MM (6"X9")	-	100	-
56006	125X200MM(5"X8"); 125X200MM (5"X8")	-	100	-

▲ Excluded from lifetime warranty terms.



Industrial Scouring Pad (Red/Grey)

- Suitable for cleaning stainless steel, aluminum, copper and other metal materials, as well as removing burrs, wire drawing, and blending
- Soft grinding: It can fit all kinds of workpiece surface, such as curved surface and corner
- Elastic structure: prevent blocking and tear
- Cold grinding: It adopts open mesh three-dimensional structure to avoid deformation and discoloration caused by overheating in processing

No.	Spec. (mm)			
56008	150X230MM(6"X9"); 150X230MM (6"X9")	-	100	-
56009	125X200MM(5"X8"); 125X200MM (5"X8")	-	100	-
56015	150X230MM(6"X9"); 150X230MM (6"X9")	-	100	-

▲ Excluded from lifetime warranty terms.



56025 20 pc Commercial Scouring Pad 150X100MM

- Quick cleaning: decontamination particles and fiber evenly distributed
- Easy to clean: Open structure for easily washing off residue and dirt
- Suitable for cleaning various kitchen and sanitary utensils, including pots with scorched or yellowed stains
- Suitable for cleaning various heavy scale and heavy greasy of kitchen hearth, baking equipment, cooking utensils and so on

Note:

- This product has strong scraping force. Please test it on small area before use

No.	Spec. (mm)			
56025	150X100	20	-	-

▲ Excluded from lifetime warranty terms.



56026 8 pc Commercial Sponge Scouring Pad 140X70MM

- Dual cleaning: Dual cleaning effect of medium sand surface and sponge surface
- Wide application: It can clean most pots, bowls, cooking utensils, etc
- Suitable for cleaning various kitchen and sanitary utensils, including pots with scorched or yellowed stains
- Suitable for cleaning various heavy scale and heavy greasy of kitchen hearth, baking equipment, cooking utensils and so on

Note:

- This product has strong scraping force. Please test it on small area before use

No.	Spec. (mm)			
56026	140X70	20	-	-

▲ Excluded from lifetime warranty terms.

Cutting wood



Cutting aluminum



Cutting metal



Circular Saw Blades

Cutting wood

- Ideal for cutting all kinds of softwood, hardwood, plywood, MDF etc.
- Cuts material up to 22mm depth
- Alternating tooth design for fast, effortless operation
- Suitable for matching angle grinders, portable circular saws, etc.

No.	Spec. (mm)	Number of Teeth	Variable Diameter Ring (mm)	Package (pc/case)			
53601	Ø110×1.6×20	30T	16	100	25	100	0.5
53602	Ø110×1.6×20	40T	16	100	25	100	0.5
53611	Ø180×2.1×254	40T	20	50	-	50	0.7
53612	Ø180×2.1×254	60T	20	50	-	50	0.7
53621	Ø230×2.4×254	60T	-	25	-	25	0.7
53622	Ø230×2.4×254	80T	-	25	-	25	0.7
53631	Ø254×2.5×254	60T	-	20	-	20	0.7
53632	Ø254×2.5×254	80T	-	20	-	20	0.7

▲ Excluded from lifetime warranty terms.

Cutting aluminum

- Suitable for cutting various aluminum profiles, plastic PVC, composite board, etc.
- Sawteeth made of industrial grade alloy with stage teeth design
- Laser cutting adopted for expansion slot and silent line for reduced vibration and noise
- Diameters available: 254mm (10"), 305mm (12") and 355mm (14") for mainstream drive tools in the market

No.	Spec. (mm)	Number of Teeth	Variable Diameter Ring (mm)	Package (pc/case)			
53633	Ø254×2.6×254	100T	-	20	-	20	0.7
53634	Ø254×2.6×254	120T	-	20	-	20	0.7
53641	Ø305×2.8×30	100T	254	10	-	10	0.7
53642	Ø305×2.8×30	120T	254	10	-	10	0.7
53651	Ø355×3.2×30	100T	254	55	-	5	0.7
53652	Ø355×3.2×30	120T	254	25	-	5	0.7

▲ Excluded from lifetime warranty terms.

Cutting metal

- Ideal for cutting ferrous metal such as channel steel, square steel, I-beam, angle iron, square pipe, hollow galvanized round pipe, RODS etc., compatible with cutting of other copper and aluminum pipes
- 0° rake design for shock absorption during cutting various sorts of metal
- Features laser cut blanks with stabilizer for reduced noise and vibration.

No.	Spec. (mm)	Number of Teeth	Package (pc/case)			
53666	Ø305×2.6×254	60T	5	-	5	0.6

▲ Excluded from lifetime warranty terms.

Cutting wood



Cutting wood with nails



Cutting metal



5pc Reciprocating Saw Blade

Cutting wood

- 93320S: For wood materials, ideal for straight cutting hard and soft wood, chipboard, plywood, plastic (6-100mm), Fast and plunge cut.
- 93321S: For wood materials, apply for fast cutting coarse wood free of nails (15-190mm), pruning greed wood (dia. <190mm), fuel wood (dia. 15-190mm)

No.	Spec.	Minimum order quantity (set/case)			
93320S	152×19.0×1.30mm 4.2mm/6T	90	6	90	11.9
93321S	240×19.0×1.30mm 5.0mm/5T	60	6	60	20.6

▲ Excluded from lifetime warranty terms.

Cutting wood with nails

- 93325S: For wood & metal materials, apply for cutting wood with nails/metal, chipboards (10-100mm), solid plastic and glass fibre reinforced plastics (8-50mm), curve cut.
- 93326S: For wood & metal materials, apply for cutting wood with nails/metal, chipboards (10-250mm), plastics and glass fibre reinforced plastics, profiles.
- 93327S: For wood & metal materials, apply for cutting wood with nails/metal (5-250mm), metal sheet, aluminium profiles (3-10mm), glass fibre reinforced plastics (-250mm).

No.	Spec.	Minimum order quantity (set/case)			
93325S	152×18.0×1.25mm 4.2mm/6T	90	6	90	13.6
93326S	300×19.0×1.25mm 4.2mm/6T	48	6	48	17.7
93327S	300×19.0×0.90mm 1.8-2.6mm/10-14T	60	6	60	15.2

▲ Excluded from lifetime warranty terms.

Cutting metal

- 93330S: For wood & metal materials, apply for cutting wood with nails/metal, pallets (4-100mm), medium thick plate (2-8mm), pipe and profiles (5-100mm).
- 93331S: For metal materials, apply for straight cutting thick sheet metal (3-8mm), solid pipes and profiles (dia. 5-100mm)
- 93332S: For metal materials, apply for straight cutting thick sheet metal (1.5-4mm), pipes and profiles (dia. 5-100mm)
- 93333S: For metal materials, apply for straight cutting thick sheet metal (3-8mm), solid pipes and profiles (dia. 10-175mm) Flexible flush and fast cut.
- 93334S: For metal materials, apply for straight cutting thin sheet metal (1.5-4mm), pipes and profiles (dia. 5-175mm), Flexible flush cut.
- 93335S: Apply for cutting metal sheet (thickness: 4-12mm), pipe profiles (dia. <175mm)
- 93336S: For wood and metal materials. Apply for straight cutting wood with nails/metal, metal sheet (2-10mm), pipes and profiles (dia. <175mm), flexible flush cut.

No.	Spec.	Minimum order quantity (set/case)			
93330S	150×19.0×0.90mm 14-34mm/8-18T	90	6	90	13.8
93331S	150×19.0×0.90mm 1.8mm/14T	90	6	90	13.8
93332S	150×19.0×0.90mm 14mm/18T	90	6	90	13.8
93333S	228×19.0×0.90mm 1.8mm/14T	90	6	90	19.9
93334S	228×19.0×0.90mm 14mm/18T	90	6	90	19.9
93335S	228×254×110mm 2.5-3.2mm/8-10T	48	6	48	22.5
93336S	228×19.0×1.25mm 1.8-2.6mm/10-14T	48	6	48	22.9

▲ Excluded from lifetime warranty terms.



93404 Mini Hacksaw 6"

- Injection molded nylon handle, comfortable and durable
- Please use saw blade 93411#

No.	Spec.			
93404	6"(150mm)	-	24	4.3

▲ Excluded from lifetime warranty terms.



93405 Aluminum Hacksaw 12"

- Including a bimetallic flexible saw blade 93407#
- With comfortable handle

No.	Spec.			
93405	12"(300mm)	-	24	15.9

▲ Excluded from lifetime warranty terms.



FOLDING HAND SAW

- The saw blade is made of SK5 material, which is sharp and durable.
- The three-sided teeth design provides easy and effortless sawing, mainly used for sawing wet wood such as live branches
- The handle is covered with soft rubber for anti-slip and shockproof properties, providing comfortable handling

No.	Spec.			
93522	6"	6	24	0.21
93526	9"	6	24	0.34

▲ Excluded from lifetime warranty terms.



Aluminum Bow

- Aluminum handle made from soft rubber (TPR) and engineering plastic ABS for anti-slipping, shock reduction and comfort
- Adapting to 12" saw blade for 45° and 90° mounting and cutting
- 12" bow containing a 93407 bimetal flexible saw blade
- 6" bow for 93411 saw blade

No.	Spec.			
93401A	Light aluminum bow 12"	-	24	-
93402A	Heavy aluminum bow 12"	-	24	-
93513	Heavy aluminum bow 6"	-	24	-

▲ Excluded from lifetime warranty terms.



93413A Wood Handle Hacksaw

- Body with solid steel bar structure, firm and durable, lightweight, 115 kg tension test passed
- Beech handle, comfortable and elegant
- SATA bimetallic flexible saw blade or HHS saw blade is recommended

No.	Spec.			
93413A	12"	6	24	0.59

▲ Excluded from lifetime warranty terms.



93414A Adjustable Hacksaw 10"/12"

- This item is designed to be retractable, lightweight and flexible, and can be installed with 10" and 12" saw blade, which makes it portable.
- Tensioner and butterfly bolts for fastening the saw blade have undergone heat treatment and have a longer service life
- SATA bimetallic flexible saw blade or HHS saw blade is recommended

No.	Spec.			
93414A	10"/12"	6	24	0.46

▲ Excluded from lifetime warranty terms.



93515 Heavy Hand Saw 18"

- Handle made from soft rubber (TPR) and engineering plastic ABS for anti-slipping, anti-vibration and comfort
- Saw blade made of SK5 material for sharpness and durability
- Triple-side grinding teeth for easy cutting labor-saving, applicable for sawing wood

No.	Spec.			
93515	18"	-	24	-

▲ Excluded from lifetime warranty terms.



93536 HEAVY DUTY PRUNING SAW 12"

- The saw blade is made of SK5 material, which is sharp and durable
- The three-sided teeth design provides easy and effortless sawing, mainly used for sawing wet wood such as live branches
- The handle is covered with soft rubber for anti-slip and shockproof properties, providing comfortable handling
- The sheath and waist saw are designed as an integrated system for convenient storage and portability
- Contains one 12" waist saw blade with model number 93537

No.	Spec.			
93536	12"	6	24	0.26

▲ Excluded from lifetime warranty terms.



93518 Aluminum Mini Bow 10"

- Aluminum handle made from soft rubber (TPR) and engineering plastic ABS for anti-slipping, anti-vibration and comfort
- Adapting to 10"/12" saw blade for operation in small space

No.	Spec.			
93518	10"	-	48	-

▲ Excluded from lifetime warranty terms.



93537 HEAVY DUTY PRUNING SAW BLADE 12"

- The saw blade is made of SK5 material, which is sharp and durable
- The three-sided teeth design provides easy and effortless sawing, mainly used for sawing wet wood such as live branches
- It is suitable for the 93536 12" waist saw

No.	Spec.			
93537	12"	10	60	0.11

▲ Excluded from lifetime warranty terms.

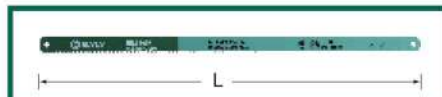


12" HSS Hacksaw Blade

- The whole saw blade is made of imported high-speed steel, which makes it sharp, strong and can provide smooth cutting
- The ultra-finished teeth provide straight and quick sawing
- It has undergone heat treatment by the vacuum furnace, thus its overall hardness can be up to HRC63-66
- It applies to cut metals such as the stainless steel, alloy steel, bearing steel, carbon steel, spring steel, cast iron, aluminum and copper

No.	Spec.			
93416	18 Teeth	100	1000	18.3
93417	24 Teeth	100	1000	18.1
93418	32 Teeth	100	1000	18.1

▲ Excluded from lifetime warranty terms.



12" Bi-Metal Hacksaw Blade

- The teeth is made of high-speed steel, and the back edge are made of high quality spring steel and welded by the electron beam.
- It has excellent elasticity and strong & sharp teeth, thus it can provide smooth cutting and good toughness

Note: Please wear PPE such as safety goggles during use

No.	Spec.	L(mm)			
93406	18 Teeth	310	100	500	9.5
93407	24 Teeth	310	100	1000	18.9
93408	32 Teeth	310	100	500	9.5

▲ Excluded from lifetime warranty terms.



93411 3Pc. Mini Hacksaw Blades 6"

- 3pc. display packed
- Resilient, strong and sharp sawtooth for smooth cutting

No.	L(mm)	Including			
93411	152	3PC	12	144	4.5

▲ Excluded from lifetime warranty terms.



SK2 Blade

93611 Stainless Steel Pointed Box Cutter 9X73MM

- Stainless steel blade for durability and rust prevention
- Tail with a snap device and with pen clip function
- Please select SATA 93617 blades made of SK2 material imported from Japan for sharpness and durability

No.				
93611	12	48	-	-

▲ Excluded from lifetime warranty terms.



93131 5Pc. Scissors Blade

No.	L×W×H (mm)			
93131	40×20×0.7	-	-	0.017

▲ Excluded from lifetime warranty terms.

SK2
Black Blade



93612: Please select SATA 93433A, 93436, 93437 and 93616 blades made of SK2 material imported from Japan for sharpness and durability



93613: Please select SATA 93438 blades made of SK2 material imported from Japan for sharpness and durability

Aluminum Heavy Box Cutter

- Body made of aluminum and coated with soft rubber (TPR) for comfort
- Symmetrical design for both left and right hand operation

No.	Spec.			
93612	18X100	8	48	-
93613	25X125	6	36	-

▲ Excluded from lifetime warranty terms.

SK2
Blade



93641 Universal Utility Box Cutter

- Body made of aluminum and coated with soft rubber (TPR) for comfort
- Five trapezoid blades stored inside for easy access
- Please select SATA 93434A and 93435A blades made of SK2 material imported from Japan for sharpness and durability

No.				
93641	8	48	-	

▲ Excluded from lifetime warranty terms.

SK2
Blade



93643 Heavy Utility Box Cutter

- Body made of aluminum and coated with soft rubber (TPR) for comfort
- Capable of quick blade change and safety belt cutting
- Five trapezoid blades stored inside for easy access
- Please select SATA 93434A and 93435A blades made of SK2 material imported from Japan for sharpness and durability

No.				
93643	8	48	-	

▲ Excluded from lifetime warranty terms.

SK2
Blade



93646 Utility Knob Box Cutter

- Body made of aluminum and coated with soft rubber (TPR) for comfort
- Knob adopted for locking firmly
- Five trapezoid blades stored inside for easy access
- Please select SATA 93434A and 93435A blades made of SK2 material imported from Japan for sharpness and durability

No.				
93646	8	48	-	

▲ Excluded from lifetime warranty terms.

93622 Safety Box Cutter

- Body made of aluminum alloy for firmness and durability
- Customized blade for safety
- One special blade stored inside for easy access
- Please select SATA 93618 box cutter blades for sharpness and durability

No.				
93622	8	48	-	

▲ Excluded from lifetime warranty terms.

SK2
Black Blade



93616 110 Sets Titanium Box Cutter Blade with 8 Sections 18X100MM

- Made of SK2 material imported from Japan for sharpness and durability
- Cutting edge subjected to special titanium plating process to prolong the service life
- 10 pieces in a package with plastic case
- Suitable for SATA 93422A, 93425A, 93428, 93429, 93430, 93482 and 93612 box cutters

No.	Number of blades	L (mm)	W (mm)	Thickness (mm)	Number of sections			
93616	10	100	18	0.5	8	10	80	-

▲ Excluded from lifetime warranty terms.

SK2
Blade



93647 Folding Utility Box Cutter

- Body made of aluminum and coated with soft rubber (TPR) for comfort
- Special blade changing device provided for simple and fast operation
- Please select SATA 93434A and 93435A blades made of SK2 material imported from Japan for sharpness and durability

No.				
93647	8	48	-	

▲ Excluded from lifetime warranty terms.

SK2
Blade



93617 10 Sets Pointed Box Cutter Blade with 9 Sections 9X73MM

- Made of SK2 material imported from Japan for sharpness and durability
- 10 pieces in a package with plastic case
- Suitable for SATA 93611 box cutter

No.	Number of blades	L (mm)	W (mm)	Thickness (mm)	Number of sections			
93617	10	73	9	0.4	9	10	120	-

▲ Excluded from lifetime warranty terms.

SK2
Blade



93642 Safety and Utility Box Cutter

- Body made of aluminum and coated with soft rubber (TPR) for comfort
- Automatic recovery of blade for safety and reliability
- Five trapezoid blades stored inside for easy access
- Please select SATA 93434A and 93435A blades made of SK2 material imported from Japan for sharpness and durability

No.				
93642	8	48	-	

▲ Excluded from lifetime warranty terms.

SK2
Blade



93621 Aluminum Shovel 18X100MM

- Aluminum head for durability with handle made of ABS anti-skidding material
- Hollow handle tail for connecting with extension rod
- Please select SATA 93433A, 93436, 93437 and 93616 blades made of SK2 material imported from Japan for sharpness and durability

No.				
93621	8	48	-	

▲ Excluded from lifetime warranty terms.

93618 2 Sets Box Cutter Blade

- Thickened nylon wrapping tip for durability and safety

No.				
93618	24	144	-	

▲ Excluded from lifetime warranty terms.



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.



93485 Heavy Duty Utility Knife

- 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

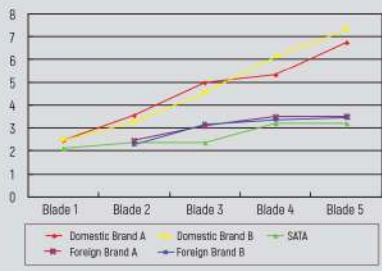
No.			
93485	8	48	10.8

▲ Excluded from lifetime warranty terms.



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 (longitudinal axis is the time spent in cutting test bar (HRC57) [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



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.



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.



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

- 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.



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.



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

- 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.



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.

SK2
Black Blade
9mm



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.	10	80	2.6
93426	10	80	2.6

▲ Excluded from lifetime warranty terms.

SK2
Black Blade
18mm



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.	10	80	5.6
93429	10	80	5.6

▲ Excluded from lifetime warranty terms.

SK2
Black Blade
18mm



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

- 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	10	80	6.8
93437	10 pc	100	18	0.5	15	10	80	6.8

▲ Excluded from lifetime warranty terms.

3
Capable of storing 3 blades



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.	12	72	4
93427	12	72	4

▲ Excluded from lifetime warranty terms.

5
Capable of storing 5 blades
Locking blade



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.	8	48	11.4
93430	8	48	11.4

▲ Excluded from lifetime warranty terms.

SK2
Black Blade
9mm



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	10	120	2.9
93432A	10 pc	80	9	0.4	13	10	120	2.9

▲ Excluded from lifetime warranty terms.

SK2
Black Blade
18mm



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

- 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	10	80	6.8
93433A	10 pc	100	18	0.5	8	10	80	6.8

▲ Excluded from lifetime warranty terms.

3
Capable of storing 3 blades



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.	12	72	9.5
93428	12	72	9.5

▲ 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

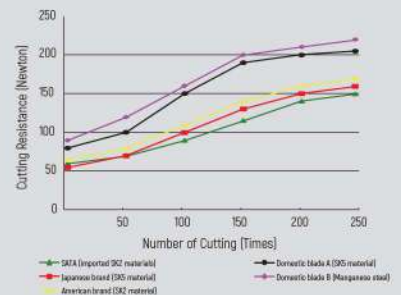
No.	Number of blades	L (mm)	W (mm)	Thickness (mm)	Number of sections	30	180	13.4
93436	10 pc	100	18	0.5	8	30	180	13.4

▲ Excluded from lifetime warranty terms.



Tool Knowledge Station

SATA 世达 Blade Performance Advantage



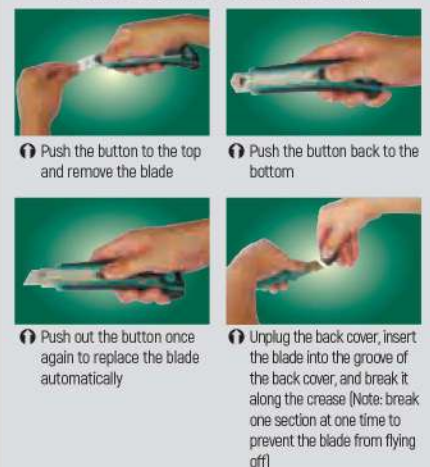
Blade features:

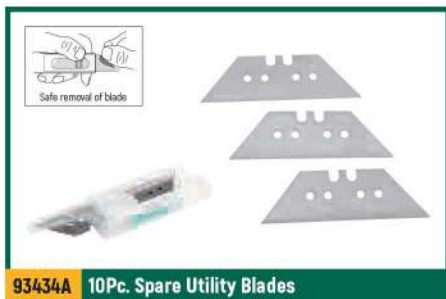
- Sharp
 - Made from SK2 material imported from Japan for high blade hardness
 - Cutting edge subjected to special grinding process for improved sharpness and durability
- Economical
 - Improved service life compared with similar products in the market

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





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	44

▲ 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.



03717 3Pc. File Set

- 1pc Flat Second Cut File 8"
- 1pc Half Round Second Cut File 8"
- 1pc Round Second Cut File 8"

No.				
03717	-	-	-	-

▲ Excluded from lifetime warranty terms.



03718 5Pc. File Set

- 1pc Flat Second Cut File 8"
- 1pc Half Round Second Cut File 8"
- 1pc Three Square Second Cut File 8"
- 1pc Square Second Cut File 8"
- 1pc Round Second Cut File 8"

No.				
03718	-	-	-	-

▲ Excluded from lifetime warranty terms.



03719 17Pc. File Set

- 1pc Flat Second Cut File 8"
- 1pc Half Round Second Cut File 8"
- 1pc Three Square Second Cut File 8"
- 1pc Round Second Cut File 8"
- 2pcs Pointed Needle File 3x140MM
- 2pcs Flat Needle File 3x140MM
- 2pcs Pointed Half Round Needle File 3x140MM
- 2pcs Pointed Equilateral Triangular Needle File 3x140MM
- 2pcs Pointed Round Needle File 3x140MM
- 2pcs Pointed Square Needle File 3x140MM
- 1pc Scratch Brushes for Files 150MM

No.				
03719	-	-	-	-

▲ 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

▲ Excluded from lifetime warranty terms.



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

▲ Excluded from lifetime warranty terms.



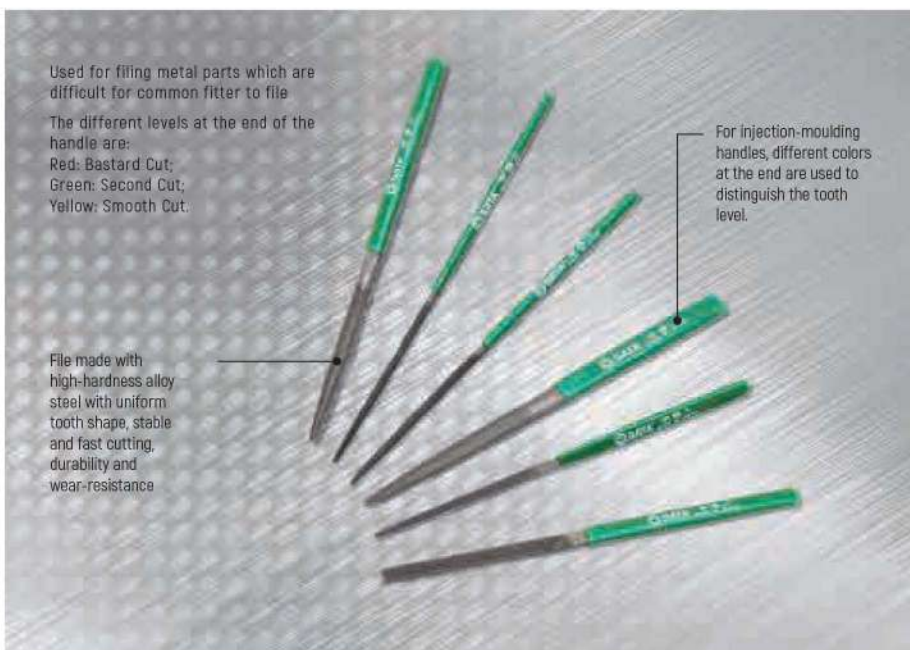
03903 5Pc. Mini File Set, 215mm

- 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

▲ Excluded from lifetime warranty terms.





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

▲ Excluded from lifetime warranty terms.

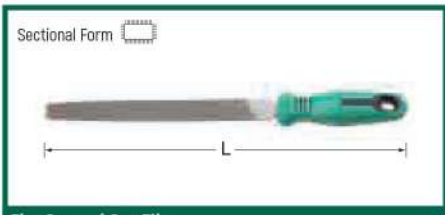


Flat Bastard Cut File

- 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	114
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.

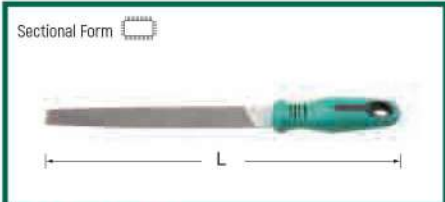


Flat Second Cut File

- 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	114
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

- 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	11.9
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.

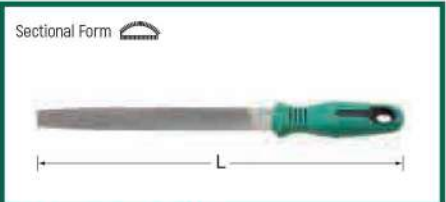


Half Round Bastard Cut File

- 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.

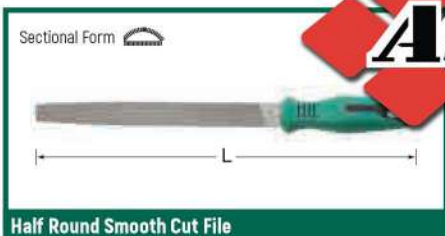


Half Round Second Cut File

- 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.



Half Round Smooth Cut File

- 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 Bastard Cut File

- 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.

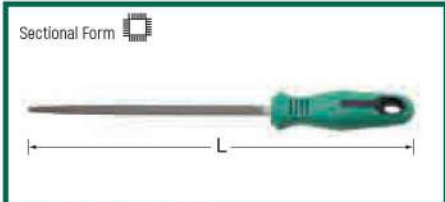


Square Second Cut File

- 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.



Square Smooth Cut File

- 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.



Round Second Cut File

- 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.



Three Square Second Cut File

- 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.



03712 Flat Bastard Cut File 12"

- The product is made of special carbon tool steel
- The product has undergone bulk heat treatment to achieve good durability.
- File teeth have uniform form and depth, ensuring high filing efficiency
- This product apply to soft metal materials, such as aluminum, copper or nonmetal materials such as plastics, nylon, fibers etc.

No.	Spec.	L(mm)			
03712	12"	430	-	-	-

▲ Excluded from lifetime warranty terms.



6Pc. Rubber Grip File Set

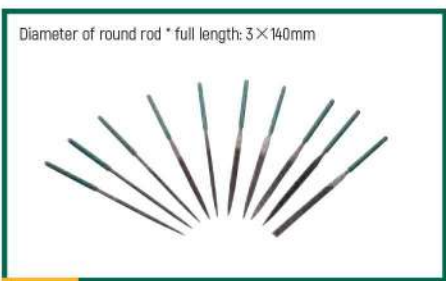
- The product is made of special carbon tool steel
- The product has undergone bulk heat treatment to achieve good durability
- File teeth have uniform form and depth, ensuring high filing efficiency
- Suitable for filing of special workpieces and precision parts in small sizes

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 Flat File

No.	Product Name			
03701	6Pc. Rubber Grip File Set 3×140mm	-	-	-
03702	6Pc. Rubber Grip File Set 4×160mm	-	-	-
03703	6Pc. Rubber Grip File Set 5×180mm	-	-	-

▲ Excluded from lifetime warranty terms.



03801 10Pc. Assorted Needle File Set 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

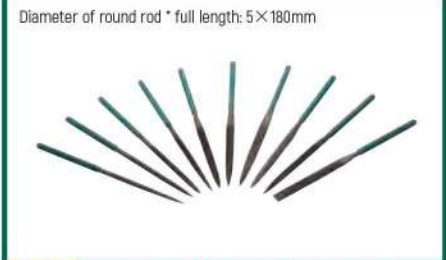
- Suitable for filing small workpieces and precision parts

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

- 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.



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: 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
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.

Flat Needle File 



03811 Diamond Flat Needle File 3x140mm

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

No.			
03811	10	500	74

▲ Excluded from lifetime warranty terms.

Pointed Half Round Needle File 



03832 Diamond Pointed Half Round Needle File 4x160mm

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

No.			
03832	10	500	11

▲ Excluded from lifetime warranty terms.

Pointed Round Needle File 



03855 Diamond Pointed Round Needle File 5x180mm

- 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.

Pointed Half Round Needle File 



03812 Diamond Pointed Half Round Needle File 3x140mm

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

No.			
03812	10	500	7

▲ Excluded from lifetime warranty terms.

Pointed Round Needle File 



03835 Diamond Pointed Round Needle File 4x160mm

- 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.



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.

Pointed Round Needle File 



03815 Diamond Pointed Round Needle File 3x140mm

- 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.

Flat Needle File 



03851 Diamond Flat Needle File 5x180mm

- 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.

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



03850 5Pc. 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
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.

Flat Needle File 



03831 Diamond Flat Needle File 4x160mm

- 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.

Pointed Half Round Needle File 



03852 Diamond Pointed Half Round Needle File 5x180mm

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

No.			
03852	10	500	17.2

▲ Excluded from lifetime warranty terms.

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



03860 3Pc. Diamond Needle File Set 3x140mm

- 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.

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



03870 3Pc. 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
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.	 (mm)	 (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.

Arc swing of less than 5° for narrow rotating space



50401 Ratcheting Tap & Die Wrench

- 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-M6	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.



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.



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

▲ Excluded from lifetime warranty terms, (Except for 50401 ratchet, tap, die wrench).



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

▲ Excluded from lifetime warranty terms.



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

▲ 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, M6x1.0, 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	-

▲ Excluded from lifetime warranty terms.



50455 37 pc Speed Steel Coarse Tap Die Twist Set

- 14 pc nosecone / diagonal cone: M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75
- 7 pc die: M3x0.5, M4x0.7, M5x0.8, M6x1.0, 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: N01, N02, N03, N04, N05
- 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	-	-	-

▲ Excluded from lifetime warranty terms.

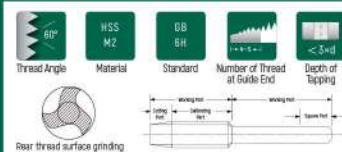


50457 7Pc. Threading Tool Set

- 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 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.
- 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

▲ Excluded from lifetime warranty terms.



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)	Part width (mm)	Tapping depth s2-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.



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 ≤2×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	-	-

⚠ Excluded from lifetime warranty terms.



HSS Coarse Thread Die

- 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	38X14	10	-	-
50916	M16	2.0	45X18	10	-	-
50918	M18	2.5	45X18	10	-	-
50920	M20	2.5	45X18	10	-	-
50922	M22	2.5	55X22	5	-	-
50924	M24	3.0	55X22	5	-	-

⚠ Excluded from lifetime warranty terms.



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.	Pitch (mm)	Thread (mm)	L (mm)	Shank Diameter (mm)	Party width (mm)	Taping depth ≤2×d (mm)			
50803	M3	0.5	99	52.3	7.2	9	10	80	6	4
50804	M4	0.7	12	52.3	7.2	12	10	80	6	5
50805	M5	0.8	12	56.6	7.2	15	10	80	7	5.8
50806	M6	1.0	12	56.6	7.2	18	10	80	6	7.8
50808	M8	1.25	14	57.2	7.2	24	10	80	8	11.4
50810	M10	1.50	24	57.9	7.2	30	5	60	8	14

⚠ Excluded from lifetime warranty terms.