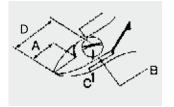
Erem



Series 500 Medium



A = length of cutting edges

- B = head width
- C = head thickness
- D = head length



Tip cutter Straight long relieved head

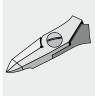
Tip cutter Pointed relieved head



Tip cutter Angled wide head

Side cutter Tapered head

Side cutter Oval head













Visibility and accessibility

Robustness, high cutting capacity

Side cutter – oval head





115 mm/4.527 Inch **67** g/2.36 oz.

- This is the most widely used head shape.
- Fits for all cutting applications where easy access
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	Dime	nsions	in mm	/Inch	Max. cutting	capability in 1	mm/Inch Diameter
		Α	В	C	D	Hard wire	Medium h	ardness Copper wire
512N	Semi-flush	12 .472	11 .433	6.5 .256	19 .748	0.5 .019	1.0 .039	1.6 .062
512E	Semi-flush	12 .472	11 .433	6.5 .256	19 .748	Model same as	512N, but with	burnished head
522N	Flush	12 .472	11 .433	6.5 .256	19 .748	_	1.0 .039	1.6 .062
599E	Flush	10 .472	11 .433	6.5 .256	17 .669	– Short, robust h	1.0 .039 ead	1.6 .062
532N	Super full flush	12 .472	11 .433	6.5 .256	19 .748	-	0.8	1.6 .062

Series 500 Medium

Side cutter – tapered head



- 115 mm/4.527 Inch 67 g/2.36 oz.
- The jaws of the cutter have straight edges and taper to a point.
- This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model Cut	Dime	ensions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
	Α	В	C	D	Medium hardness	Copper wire	
	12	11	6.5	19	1.0	1.3	
Flush	.472	.433	.256	.748	.039	.051	
					Tapered head		
	10	11	6.5	17	1.0	1.3	
	.472	.433	.256	.669	.039	.051	
Flush					Tapered, short head		
	Flush	A 12 Flush .472 10 .472	A B 12 11 Flush .472 .433	A B C 12 11 6.5 Flush .472 .433 .256 10 11 6.5 .472 .433 .256	A B C D 12 11 6.5 19 Flush .472 .433 .256 .748 10 11 6.5 17 .472 .433 .256 .669	A B C D Medium hardness 12 11 6.5 19 1.0 Flush .472 .433 .256 .748 .039 Tapered head 10 11 6.5 17 1.0 .472 .433 .256 .669 .039	

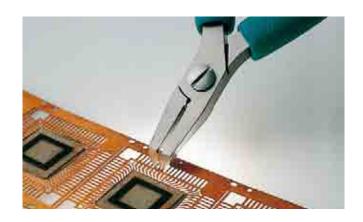
Tip cutter – angled wide head





■ The angled head provides for precise cuts at different working angles.

Model	Cut	Dime	nsions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
		Α	В	C	D	Medium hardness	Copper wire	
503E		9	11	6.5	19	1.0	1.6	
	Flush	.354	.433	.256	.748	.039 Wide, robust head	.062	
04AE		9	11	6.5	19	0.8	1.3	
	Flush	.354	.433	.256	.748	.031 Model same as 503E, but v	.051 with pointed rounded hea	







Series 500 Medium

Tip cutter – angled narrow head



- 120 mm/4.724 Inch **6**8 g/2.40 oz.
- **∡** 35°
- working angles.
- Narrow, robust head, suitable for working with high cutting force in confined areas.

■ The angled head provides for precise cuts at different

Model	Cut	Dime	nsions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
	А	В	C	D	Medium hardness	Copper wire		
555E		6	11	6.5	24	0.6	1.3	
	Flush	.236	.433	.256	.945	.023	.051	



115 mm/4.527 Inch **68** g/2.40 oz.

∡ 40°

■ Relieved cutting edge for easy access.

Model Cut	Cut	Dime	nsions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
	Α	В	C	D	Medium hardness	Copper wire		
572E		6	11	6.5	21	0.6	1.3	
	Flush	.236	.433	.256	.827	.023	.051	



115 mm/4.527 Inch **68** g/2.40 oz.

∡ 40°

■ Suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications.

Model	Cut	Dime	nsions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
		Α	В	C	D	Medium hardness	Copper wire	
582E	Flush	6 .236	11 .433	6.5 .256	26 1.024	0.6	1.3 .051	



115 mm/4.527 Inch **67** g/2.36 oz. ∡ 45°

■ Model same as 582E, but with safety device for wire scraps.

Model Cut	Cut	Dime	nsions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
		Α	В	C	D	Medium hardness	Copper wire	
582EW		6	11	6.5	26	0.6	1.3	
	Flush	.236	.433	.256	1.024	.023	.051	

Series 500 Medium

Tip cutter – angled narrow head



■ Ideal rework tool, suitable for cutting DIL contacts at front and rear and densely printed circuit boards.

Model	Cut	Dime	ensions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
		Α	В	C	D	Medium hardness	Copper wire	
593AE	Flush	4 .157	11 .433	6.5	26 1.024	0.4	1.0 .039	



■ Suitable for fine cutting work on hybrid circuits or miniature components.

Model Cut	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter		
	Α	В	C	D	Medium hardness	Copper wire		
575E		4	11	6.5	22	0.2	0.6	
	Flush	.157	.433	.256	.866	.007	.023	

Tip cutter – pointed relieved head



115 mm/4.527 Inch 67 g/2.36 oz.

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	Dime	nsions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
		Α	В	C	D	Medium hardness	Copper wire	
592E	Flush	12 .472	11 .433	6.5 .256	19 .748	0.4	0.8 .031	
792E	Super full flush	12 .472	11 .433	6.5	19 .748	0.4 .015	0.6 .023	





Series 500 Medium



Tip cutter – straight long relieved head





- This head is suitable for horizontal and vertical cuts.
- The long tips facilitate cutting in hard-to-reach areas.

Model	Cut	Dime	nsions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
	Α	В	C	D	Medium hardness	Copper wire		
570E		4	11	6.5	29	0.6	1.2	
370L	Flush	.157	.433	.256	1.142	.023	.047	
						For cutting at extreme tips		

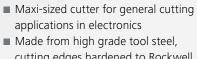
Tip cutter – straight head for vertical use



120 mm/4.724 Inch 67 g/2.36 oz.

Model Cut	Cut	Dime	ensions	in mm	/Inch	Max. cutting capability in mm/Inch Diameter		
	Α	В	C	D	Medium hardness	Copper wire		
573E		4	11	6.5	29	0.4	0.6	
373L	Flush	.157	.433	.256	1.142	.015	.023	

Series 800 Maxi



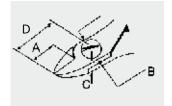




Erem®



Series 800 Maxi



A = length of cutting edges

- B = head width
- C = head thickness
- D = head length



Tip cutter Pointed relieved head	Side cutter Tapered head	Side cutter Oval head

Visibility and accessibility

Robustness, high cutting capacity

Side cutter – oval head



- 120 mm/4.724 Inch 67 g /2.36 oz.
- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	Dime	nsions	in mm	/Inch	Max. cutting ca	pability in mm/Ind	ch Diameter
		Α	В	C	D	Hard wire	Medium hardnes	s Copper wire
812N	Semi-flush	15 .590	13.5 .531	7.5 .295	21 .827	0.6 .023	1.2 .047	1.8 .070
896E	Semi-flush	15 .590	13,5 .531	7,5 .295	21 .827	ø 0,6 .023 Suitable for cuttir	ø 1,2 .047 ng hard wires, Kovar,	ø 1,8 .070 connector pins
822N	Flush	15 .590	13.5 .531	7.5 .295	21 .827	-	1.2 .047	1.8

Series 800 Maxi

Side cutter – tapered head



- 120 mm/4.724 Inch 33 g/2.93 oz.
- The jaws of the cutter have straight edges and taper to a point.
- This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	Dime	nsions	in mm/	Inch	Max. cutting capability	in mm/Inch Diameter
		Α	В	С	D	Medium hardness	Copper wire
886E		15	13.5	7.5	21	1.0	1.8
	Flush	.590	.531	.295	.827	.039	.070

Tip cutter – pointed relieved head



120 mm/4.724 Inch
81 g/2.86 oz.

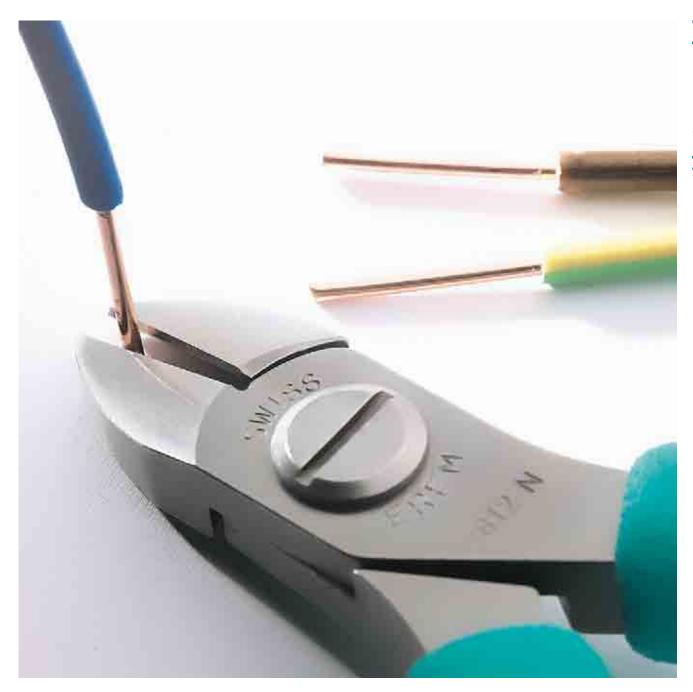
- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	Dime	nsions	in mm	/Inch	Max. cutting capabili	ty in mm/Inch Diameter
		Α	В	C	D	Medium hardness	Copper wire
884E	Flush	15 .590	13.5 .531	7.5 .295	21 .827	0.8	1.6 .062





Series 800 Maxi



Tungsten-carbide cutters

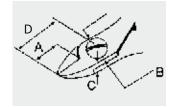
- Medium sized precision cutters
- Wear resistant tungsten carbide edged cutting blades
- Manufactured from high grade tool steel
- Suitable for cutting hard and tough wires e.g. piano wire, nickel and diode leads
- Non reflecting surface, ESD safe and resharpenable



Erem®



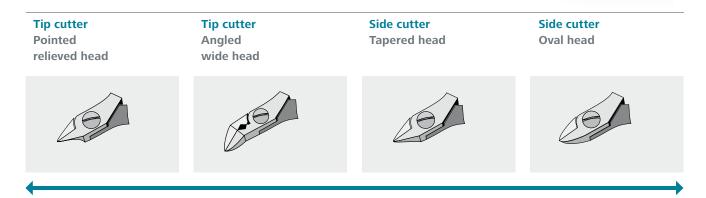
Tungsten-carbide cutters



A = length of cutting edges

- B = head width
- C = head thickness
- D = head length





Visibility and accessibility

Robustness, high cutting capacity

Side cutter – oval head



115 mm/4.527 Inch 67 g/2.36 oz.

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	Dime	ension	s in m	m/Inch	Max. cutting cap	pability in mm/In	ch Diameter	
		Α	В	C	D	Piano wire	Hard wire	Medium hardness	Copper wire
			_						
622TX	۲٦	8	9	6	15	0.2	0.4	0.6	1.2
	Flush	.315	.354	.236	.590	.007	.015	.023	.047
						Miniature cutter			
599T		12	11	6.5	19	0.6	0.8	1.0	1.5
		.472	.433	.256	.748	.023	.031	.039	.059
	Semi-flush								
599 T F		12	11	6.5	19	0.6	0.8	1.0	1.5
		.472	.433	.256	.748	.023	.031	.039	.059
	Flush								

Tungsten-carbide cutters



Side cutter – tapered head





- The jaws of the cutter have straight edges and taper to a point.
- This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	Dime	ension	s in m	m/Inch	Max. cutting cap	pability in mm/In	ch Diameter	
		Α	В	C	D	Piano wire	Hard wire	Medium hardness	Copper wire
595T	Semi-flush	12 .472	11 .433	6.5	19 .748	0.4	0.6	0.8	1.5 .059
595TF	Flush	12 .472	11 .433	6.5	19 .748	0.4	0.6	0.8	1.5 .059
2476TX1	Flush	11 .433	11 .433	6 .236	19 .748	0.3 .011 Series 2400 Magic	0.4 .015 Sense model (Leng	0.5 .019 th: 130 mm / 5.118 In	1.0 .039 ch)
576TX1	Flush	11 .433	.433	6.5 .256	19 .748	0.3	0.4	0.5 .019	1.0





Tungsten-carbide cutters

Tip cutter - pointed relieved head



- 115 mm/4.527 Inch 67 g/2.36 oz.
- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model Cut Dimensions in mm/Inch Max. cutting capability in mm/Inch A B C D Piano wire Hard wire M	h Diameter Medium hardness	Connor wire
A R C D Piano wire Hard wire M	Medium hardness	Copper wire
A B C B Hallowife Hardwife iv		copper wire
2476TX 11 11 6 19 0.1 0.2	0.3	1.0
.433 .433 .236 .748 .003 .007	.011	.039
Flush Series 2400 MagicS	Sense model	
576TX 11 11 6.5 19 0.1 0.2	0.3	1.0
	.011	.039
LIONI		

Tip cutter – angled wide head

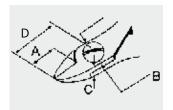




■ The angled head provides for precise cuts at different working angles.

Model	Cut	Dime	ension	s in m	m/Inch	Max. cutting cap	pability in mm/li	nch Diameter	
		Α	В	C	D	Piano wire	Hard wire	Medium hardness	Copper wire
503ET	Semi-flush	9 .354	.433	6.5		0.4	0.6	0.8	1.2
503ETF	Flush	9 .354	.433	6.5		0.4	0.6	0.8	1.2

Special applications



A = length of cutting edges

B = head width

C = head thickness

D = head length



Special applications – Special tool steel, ESD-safe



120 mm/4.724 Inch 100 g/3.53 oz.

■ Side cutter with compound action.

Model	Cut	Dime	nsions	in mm/Inch	Max. cutt	ing capability in mm/Inch Diameter
		Α	В	C	Copper w	ire
147A	Semi-flush	12 .472	10.5 .413	7.5 .295	1.8 .070	For cutting hard wires with minimal effort
147AT	Semi-flush	12 .472	10.5 .413	7.5 .295	1.8	Model same as 147A, but with cutting edges made from tungsten carbide, model on request



115 mm/4.527 lnch 79 g/2.79 oz. ■ Side cutter, suitable for cutting printed-circuit boards.

Model	Cut	Max. cu	ıtting capability i	in mm/Inch
		Max. D	Max. B	
1884EPCM		1.5	2.0	в — —
	Flush	.059	.078	J 7 D

^{*}Not available in North America





Special applications



110 mm/4.331 lnch 48 g/1.69 oz. Side cutter, suitable for precision cuts on soft materials, e.g. small silicone tubes in medical applications, precision connector seals, miniature rubber seals, soft synthetic parts.

Model	Cut	Dime	nsions	s in mm/Inch
		Α	В	С
632NCF		9	9	6
	Super full flush	.354	.354	.236



115 mm/4.527 Inch 67 g/2.36 oz. ■ Side cutter, suitable for cutting Kevlar® silks.

Model	Dime	nsions	in mm	/Inch
	А	В	C	D
599FO	12	11	6.5	19
	.472	.433	.256	.748



115 mm/4.527 Inch 67 g/2.36 oz. ■ Side cutter with cutting edges made from tungsten carbide.

Model	Cut	Dime	Dimensions in mm/Inch			
		Α	В	C	D	
599 TFO		12	10.5	6.5	19	Model same as 599FO, but with cutting edges
	Semi-flush	.472	.413	.256	.748	made from tungsten carbide. Suitable for cutti Kevlar® silks, Vectran™-sheathed wires, optica
						fibres and small stainless wires

Pneumatic side cutters and tip cutters

- Pneumatic cutter
- Handy, light and precise
- Extremely versatile thanks to a selection of different cutting heads
- Easily interchangeable cutting heads
- Suitable for cutting conventional components, soft metals or small plastic parts



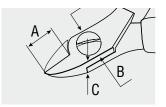
Pneumatic side cutters and tip cutters



- 130 mm/5.118 Inch 130 g/4.59 oz.
- Pneumatic-cutter housing

Model	Dimensions in m	Dimensions in mm/Inch Diameter D				
1500 BSF	28	Requires 4 – 6 bar oil-free clean compressed air				

Cutting heads for 1500BSF



- A = length of cutting edges
- B = head width
- C = head thickness

Side cutter - oval head



- **35** g/1.16 oz.
- This is the standard head shape.
- It is used for all cutting jobs in easy-to-reach areas.
- The oval head provides for a high cutting capacity and is characterised by its robustness.

Model	Cut	Dime	Dimensions in mm/Inch		Max. cutting capability in mm/Inch Diameter
		Α	В	С	Copper wire
1512N		10	10.5	6.5	1.6
	Semi-flush	.394	.413	.256	.062
1522N		10	10.5	6.5	1.6
		.394	.413	.256	.062
	Flush				





Pneumatic side cutters and tip cutters

Side cutter - tapered head



- **3**5 g/1.16 oz.
- The edges of the cutter head are straight and taper to a point, allowing access to hard to reach areas.

Model	Cut	Dime	Dimensions in mm/Inch		Max. cutting capability in mm/Inch Diameter		
		Α	В	С	Copper wire		
1522NA	7	9	10.5	6.5	1.4		
	Flush	.354	.413	.256	.055		

Side cutter - pointed relieved head



- **3**2 g/1.12 oz.
- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	Dime	Dimensions in mm/Inch		Max. cutting capability in mm/Inch Diameter		
		Α	В	C	Copper wire		
1522NB		9	10.5	6.5	1.2		
	Flush	.354	.413	.256	.047		

Tip cutter - angled head

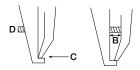


- The angled head provides for precise cuts at different working angles.

Model	Cut	Dime	Dimensions in mm/Inch		Max. cutting capability in mm/Inch Diameter		
		Α	В	С	Copper wire		
		40					
1503E		12	10.5	6.5	1.2		
	Flush	.472	.413	.256	.047		

Distance cutters

- Erem distance cutters are available with fixed and variable cutting lengths
- The tips are polished so as to prevent board damage
- For cutting wires to the right length and for fixing components



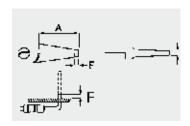
The protective stop screw D improves the performance of Erem distance cutters:

- Clearance B larger than the wire diameter
 cut wire is ejected.
- Clearance B smaller than the wire diameter
 cut wire is held.

Adjust protective stop screw D so that cutting edge C does not hit the opposite side.

This increases the lifetime of the cutting edge.





A = jaw length

E = width of tips

F = cutting length

Fixed cutting length (F)



120 mm/4.724 Inch 67 g/2.36 oz.

- Special tool steel
- ESD-safe
- Fixed cutting length (= F)
- Reduces mechanical shock on components

Model	Cut	Dime	ension	s in mm/Inch	Max. cutting cap	pability in mm/Inch Diameter
		Α	E	F	Copper wire	
530E06**	Flush	20 .787	3 .118	0.6	1.2	Cuts copper wire to a length of 0.6 mm/.023 Inch
530E08	Flush	20 .787	3 .118	0.8	1.2 .047	Cuts copper wire to a length of 0.8 mm/.031 Inch
530E10	Flush	20 .787	3 .118	1.0	1.2 .047	Cuts copper wire to a length of 1.0 mm/.039 Inch
530E12*	Flush	20 .787	3 .118	1.2 .047	1.2 .047	Cuts copper wire to a length of 1.2 mm/.047 Inch
530E13*	Flush	20 .787	3 .118	1.3	1.2 .047	Cuts copper wire to a length of 1.3 mm/.051 Inc
530E15	Flush	20 .787	3 .118	1.5	1.2 .047	Cuts copper wire to a length of 1.5 mm/.059 Inch





Distance cutters

Model	Cut	Dime	ension	s in mm/Inch	Max. cutting capability in mm/Inch Diameter		
		Α	E	F	Copper wire		
530E18*	Flush	20 .787	3 .118	1.8	1.2	Cuts copper wire to a length of 1.8 mm/.070 Inc	
530E20*	Flush	20 .787	3 .118	2.0	1.2 .047	Cuts copper wire to a length of 2.0 mm/.078 Inch	



- 120 mm/4.724 Inch
- **a** 67 g/2.36 oz.
- ∠ 45°

- Special tool steel
- ESD-safe
- Fixed length distance cutter
- Tapered 45°

Model	Cut	Dime	ension	s in mm/Inch	Max. cutting capability in mm/Inch Diameter		
		Α	E	F	Copper wire		
549E	Flush	20 .787		1.5 .059	1.2	Cuts wire to a length of 1.5 mm/.059 Inch	
549E10*	Flush	20 .787		1.0	1.2 .047	Cuts wire to a length of 1.0 mm/.039 lnch	
549E12*	Flush	20 .787	3 .118	1.2 .047	1.2 .047	Cuts wire to a length of 1.2 mm/.047 Inch	

Variable cutting length (V)



- 120 mm/4.724 Inch 70 g/2.47 oz.
- Special tool steel
- ESD-safe
- Variable cutting length (= V)
- With protective stop screw

Section .								
Model	Cut	Dimensions in mm/In	nch Max. cutting capability in mm/Inch Diameter					
		A E V	Copper wire					
530E15A*	Flush	20 4.5 1.2 – 6 .787 .177 .047 – .236	1.2 Variable cutting length from 6 .047 1.2 mm to 6 mm/ 047 to .236 Inch					
		_	mm/4.527 Inch g/2.47 oz. Special tool steel ESD-safe Variable cutting length (= V) With protective stop screw Interchangeable plastic stop protects the printed-circuit board against damage					
Model	Cut	Dimensions in mm/In	nch Max. cutting capability in mm/Inch Diameter					
		Λ Γ \/	6					

Model	Cut	Dillic	.1131011	3 111 111111/1111611	wax. catting cap	ability in minimen Diameter
		Α	E	V	Copper wire	
573EB	Flush			0 – 5 0 – .197	0.8	Variable cutting length from 0 mm to 5 mm/ 0 to .197 Inch

^{*}Not available in North America

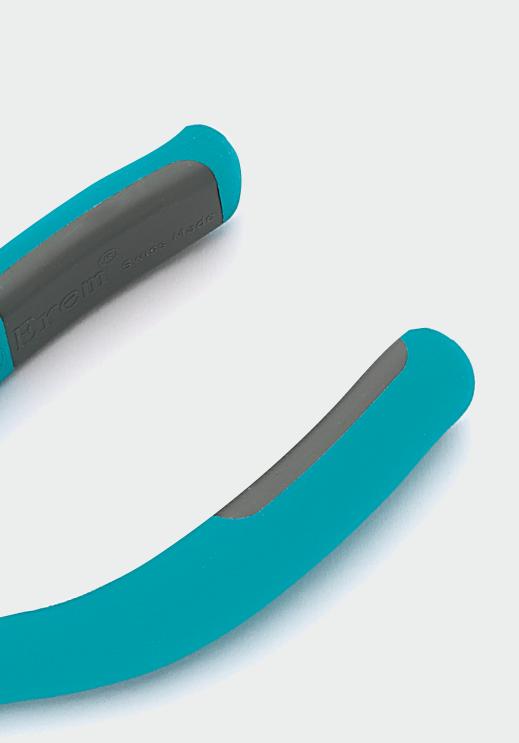
Pliers

Good grip due to precise produced tips even at the thinnest part

■ The choice of materials used for production of the pliers and a special hardening process is very important.







Erem pliers, stripping pliers, forming pliers

- Gripping and bending pliers with standard and ergonomic handles
- MagicSense moulded handle for increase comfort
- Wide variety of head shapes
- Special tool steel, non-reflecting surface, ESD-safe

Internal patented Erem Magic Spring

- lange Lebensdauer
- Constant spring force
- Guarantees more than 1 million operations

High precision screw joint

- Smooth jaw action with no play
- Smooth cutting operation with no jaw overlapping

Precision ground jaws









for high comfort, better grip and added safety

EMOS maximum opening stop

limits the cutting-edge tips from opening more than 5 mm/.197 lnch. The limited extent to which the handles can open prevent user hand fatigue.



ESD-safe

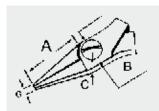
The interchangeable foam-cushion handles are ESD-safe and are fitted as standard on all Erem cutters and pliers.

10∞	conductive 10°	static dissipating	antistatic 10 ¹²	insulating 10 ²⁰ W/cm ²
←				→
EMI/RF Sources: DOD/CECC		Erem cutters and pliers		

Erem Pliers

- Pliers for miniature and standard electronics
- Special tool steel, non-reflecting surface, ESD-safe
- High grade tool steel







A = jaw length

B = head width

C = head thickness

E = width of tips

G = total height of both tips

Round nose pliers



120 mm/4.724 Inch
62 g/2.18 oz.

- Round nose pliers with very precise, smooth jaws.
- Suitable for forming, bending, laying and feeding in wires.

Model	Shape	Dime	Dimensions in mm/Inch						
		Α	В	C	Εø	G			
	•								
543E*		23	9	6.5	8.0	1.6			
		.905	.354	.256	.031	.062			

^{*}Order as 543 in North America

Needle nose pliers



120 mm/4.724 Inch 62 g/2.18 oz.

- Needle nose pliers with very precise, smooth and rounded jaws.
- Suitable for forming, bending, laying and feeding in wires.

Model	Shape	Dime	Dimensions in mm/Inch							
		Α	В	C	E	G				
547		23	9	6.5	0.9	1.2				
		.905	.354	.256	.035	.047				



Erem pliers

Flat nose pliers



- 120 mm/4.724 Inch 67 g/2.36 oz.
- Flat nose pliers with smooth jaws and precision-machined edges.
- Suitable for gripping flat workpieces.

Model	Shape	Dime	Dimensions in mm/Inch							
		Α	В	C	E	G				
	_									
542E*		23	9	6.5	2.4	1.4				
		.905	.354	.256	.094	.055				

*Order as 542 in North America



125 mm/4.921 Inch 67 g/2.36 oz.

- Flat nose pliers with replaceable nylon jaws.
- Nylon jaws prevent nicking and scratching.
- Suitable for forming precious metals and component connections.

Model	Shape	Dimensions in mm/Inch							
		Α	В	C	Е	G			
531E*	=	23	9 .354	6.5		3 .118			

^{*}Order as 531 in North America

Chain nose pliers



120 mm/4.724 Inch 67 g/2.36 oz.

- Chain nose pliers with narrow half-round jaws.
- For securely handling components.

A B C E G
544E* 23 9 6.5 1 1.4
.905 .354 .256 .039 .055

*Order as 544 in North America



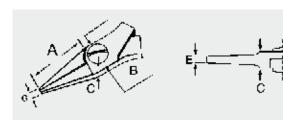
120 mm/4.724 Inch 67 g/2.36 oz.

Model	Shape	Dime	Dimensions in mm/Inch						
		Α	В	C	E	G			
544D	•	23 .905	9 .354	6.5	1 .039	1.4 .055	Inside-serrated jaws for secure handling		

Series 2400 MagicSense pliers

- Pliers for miniature and standard electronics
- Optimized ergonomically shaped handles for increased comfort
- Special tool steel, non-reflecting surface, ESD-safe





A = jaw length

B = head width

C = head thickness

E = width of tips

G = total height of both tips

Needle nose pliers



146 mm/5.748 Inch
72 g/2.54 oz.

■ Needle nose pliers with very precise, smooth and rounded jaws.

Model	Shape	Dimensions in mm/Inch						
		А В	С	E	G			
2411P	•	33.5 11 1.319 .433	6	1.039	1.2			
2411PD	•	35.5 11 1.319 .433	6 .236	1.039	1.2	Model same as 2411P, but with inside- serrated jaws for secure handling		



Series 2400 MagicSense pliers

Flat nose pliers



- 146 mm/5.748 Inch 72 g/2.54 oz.
- Flat nose pliers with smooth jaws and precision-machined edges.
- Suitable for gripping flat workpieces.

Model	Shape	Dime	Dimensions in mm/Inch							
		А	В	C	Е	G				
2442P		33.5	11	6	3.4	1.2				
		1.319	.433	.236	.139	.047				

Round nose pliers



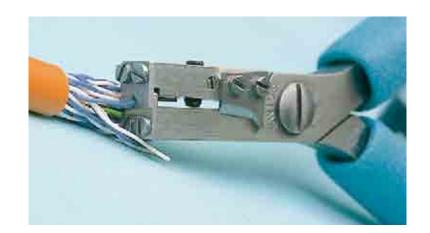
- 146 mm/5.748 Inch 72 g/2.54 oz.
- Round nose pliers with very precise, smooth jaws.
- Suitable for bending wires.

Model	Shape	Dimensions in mm/Inch	
		A B C Eø G	
2443P	•	33.5 11 6 0.8 1.6 1.319 .433 .236 .031 .062	

Stripping pliers

High precision stripping pliers

- Robust, high-precision tools for use in electronics and aeronautical engineering
- The required diameter is set by means of screws
- Screwdriver and key are included
- Interchangeable blades
- ESD-safe
- Special designs also available on request



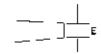
Front stripping





- 120 mm/4.724 Inch Suitable for all types of insulation and optical fibres.
 - Integral side cutting blade.





A = jaw length

E = width of tips

G = total height of both tips

H = length of cutting blade

Model	Dimensions in mm/Inch							
	Α	Е	G	Н	Wire diameter			
510AE	21	5	4	7	0.25 mm - 1.02 mm (AWG 30 - 18)			
	.827	.197	.157	.276	.010 Inch – .040 Inch			





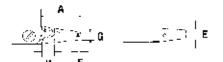
High precision stripping pliers

Front stripping



120 mm /4.724 Inch 80 g/2.82 oz

- Unique precision for damage-free stripping of fine wires.
- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres.



A = jaw length

E = width of tips

F = depth of interchangeable blade

G = total height of both tips

H = length of cutting blade

Model	Dimensions in mm/Inch								
	Α	Е	F	G	Н	Wire diameter			
552E	23 .905	6.5 .256	•	11 .433	-	0.06 mm – 0.6 mm (AWG 42 – 24) .002 lnch – .023 lnch			

Side stripping



120 mm /4.724 Inch
80 g/2.82 oz

- Unique precision for damage-free stripping of fine wires.
- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres.



A = jaw lengthE = width of tips

F = depth of interchangeable blade

G = total height of both tips

H = length of cutting blade

Model	Dime	Dimensions in mm/Inch								
	Α	E	F	G	Н	Wire diameter				
552S	21	6.5	6.7	11	۵	0.06 mm – 0.6 mm (AWG 42 – 24)				
3323	.827		.264		_	.002 Inch – .023 Inch				

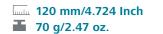
Forming pliers

Forming pliers for passive components

- Safe bending, forming and preparation of component connections
- High grade tool steel
- Non-reflecting surface
- ESD-safe

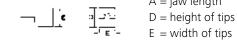






■ Suitable for component connections, U-shape.







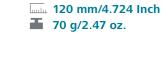
A = jaw length

F = length of forming tool

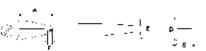
Model		Dim	ensio	ns in mm/Inch Max. connection diameter				
		Α	D	E	F	Diodes	Capacitors	Resistors
554E*	0_1_1	13 .512	10 .394	10 .394	10 .394	0.65 mm .025 Inch	0.7 mm .027 Inch	¹ / ₂ W

^{*}Order as 554 in North America





- Suitable for component connections, U-shape, axial forming.
- Narrow head shape.



- A = jaw lengthD = height of tips
- E = width of tips
- F = length of forming tool

Model		Dim	ensio	ns in	mm/Inch	nm/Inch Max. connection diameter		
		Α	D	Е	F	Diodes	Capacitors	Resistors
554A	4 mm max. .157 iren 4 I I 1.5 mm .058 iren	23 .905	5.6	2.5	4.5 .177	0.65 mm .025 Inch	0.7 mm .027 Inch	¹ / ₂ W





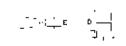
Forming pliers for passive components





- Suitable for secure assembly.
- Forms the two opposing Us in one operation.





A = jaw length

D = height of tips

E = width of tips

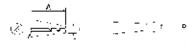
F = length of forming tool

Model	Model		Dimensions in mm/Inch			Max. connection diameter		
		Α	D	E	F	Diodes	Capacitors	Resistors
554TX	B = 1.2 mm .047 Inct	20	6.5	6.5	4	0.65 mm	0.7 mm	1/ ₂ W
	4,5 mm	.787	.256	.256	.157	.025 Inch	.027 Inch	





■ For cutting and bending components into two operations to a predefined length.



A = jaw lengthD = height of tips E = width of tips

F = length of forming tool

Model	Model			Dimensions in mm/Inch			Max. connection diameter		
		Α	D	Е	F	Diodes	Capacitors	Resistors	
50788	3 mm 119 Mc5 H = 1.5 mm Mit Amini 118 mc US9 Sah Iba Ach	23 .905	.157	3 .118		0.65 mm .025 lnch	0.7 mm .027 lnch	¹ / ₂ W	





■ For cutting and bending different types of components with two outputs.



A = jaw lengthD = height of tips E = width of tips

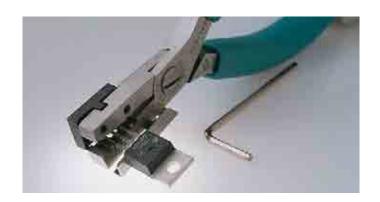
F = length of forming tool

Model		Dimensions in mm/Inch			Max. connection diameter		
	Α	D	E	F	Diodes	Capacitors	Resistors
50789Z	23 .905	3.3	3.5 .138		0.65 mm .025 lnch	0.7 mm .027 lnch	1/ ₂ W

Forming pliers

High precision forming tools for active components

- Safe bending, forming and preparation of component connections, specially for integrated components and power transistors
- High grade tool steel
- Non-reflecting surface
- ESD-safe







- 120 mm/4.724 Inch 85 g/3.00 oz.
- Suitable for bending flat components, contacts, power transistors, Triac connections to a right angle.

Model	Dimensions	Dimensions in mm/Inch				
	K max.	М				
500103A*	15 .590	3 – 12 .118 – .472				



- 120 mm/4.724 Inch 85 g/3.00 oz.
- Suitable for cutting and bending Series TO components, diodes and mechanical parts to a right angle.
- Easily adjustable with interchangeable cutting edges.

Model		Dimensions	Dimensions in mm/Inch				
		K max.	M				
500210E		11	3.8 – 15				
	* **	.433	.149 – .590				

^{*}Not available in North America





High precision forming tools for active components



- 120 mm/4.724 Inch 85 g/3.00 oz.
- 3 connections, suitable for bending components of Series TO 126, 218, 220 and power transistors through 90° in two rows.
- Adjusted by means of a screw.

Model	Dimensi	ons in mm/Inch	
	K max.	М	T. Control of the con
500104A	13 .512	3.5 – 15 .138 – .590	2.54

High precision forming pliers for Flat Packs, Quads



- 120 mm /4.724 Inch 100 g/3.53 oz.
- Suitable for bending flat components, contacts, power transistors, Triac connections to a right angle.

Model		Dimensions	s in mm/Inch	
		А	K max.	M
80013C	1 mm - 1 50°	17 .669	13 .512	2.8

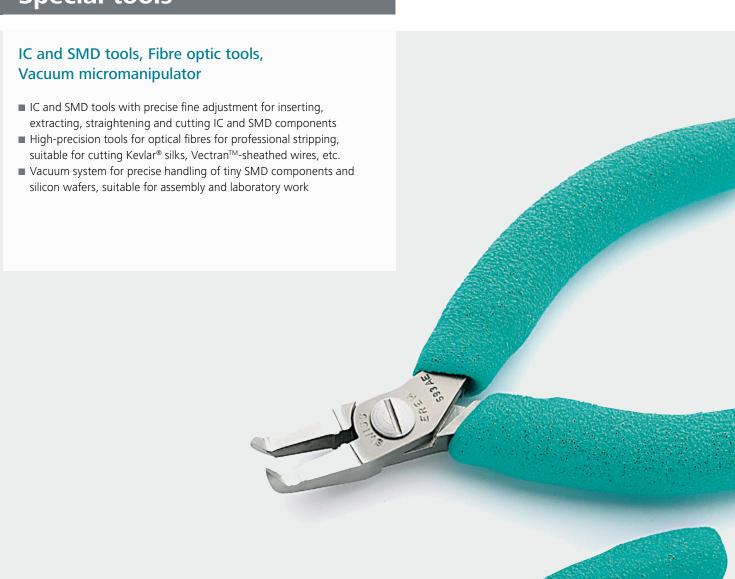
High precision forming pliers for DIL pins



- 120 mm/4.724 Inch
 98 g/3.46 oz.
- Suitable for cutting and bending DIL pins through 90° in one operation.
- Up to max. 20 DIL pins.

Model		Dimensi	Dimensions in mm/Inch			
		Е	F			
809IC	(1) or (1)	25 .984	0.9			

Special tools









IC and SMD tools

- IC and SMD tools for inserting, extracting, straightening and cutting IC and SMD components
- Non-reflecting surface
- ESD-safer



Inserting and extracting



120 mm/4.724 Inch ■ One screwdriver included for fine adjustments.

Model			Model	Dimens	sions in mm/	/Inch		
				Е		505C	505BGC	505BG
505C	胃	18/	505C	20 .787	Pins:	14-16	28	28
	[] • I		505BGC	36 1.417				
	<u> </u>		505BG	36		000		
		*		1.417	Width:	.300		
							,300	.600

Straightening





- Practical straightening tool, suitable for straightening contacts, DIL/IC connections.
- Up to 16 connections possible.

Model			Dimen	Dimensions in mm/Inch			
			Α	E	G		
808G	e) iss k	/7; <u>\</u>	23 .905	42 1.653	1 .039		





IC and SMD tools

Cutting





- High-precision tip cutter.
- For connections of SMD micro-packages up to 0.25 mm/ .010 lnch, also for pitches smaller than 1/20".
- For μ pitches below 0.5 mm/.019 lnch, you will need the 670EPF model.
- Please send component when ordering.

Model	Cut		Dimensio	ons in mm/	Inch	
			Α	D	Е	
670EP	Flush	= 10-11-	10 .394	3 .118	2 .079	





- High-precision tip cutter, bent.
- Practical rework tool.
- For cutting DIL contacts directly on the component.
- Ideal for densely printed boards.

Model	Cut	Dimensi	ons in mm/Inch	
		А	D	
593AE	Flush	 20 .787	.157	

Kit for SMD work



- For SMD assembly and repair applications.
- 6-piece tool kit with monitored discharging ESD handles.
- Special tool steel, non-reflecting surface, resharpenable (cutter).
- High-quality precision tweezers, non-magnetic.
- In an ESD-safe plastic case.

Model	Description
3900KC	Kit for SMD work
contents:	
51SA	Precision tweezers with very pointed tips, bent 30°, relieved; length 115 mm/4.527 Inch
102ACA	SMD tweezers with angled tips and blunted edges, suitable for vertical working with small components;
	length 115 mm/4.527 Inch
103ACA	SMD tweezers with angled tips and blunted edges for vertical working with small components;
	length 115 mm/4.527 Inch
150SAMB	SMD tweezers with bent tips 40°, serrated finger grips for gripping small cylindrical parts,
	dia. 1.2 – 2.5 mm/.047 – .108 Inch; length 120 mm/4.724 Inch
150SAMF	SMD tweezers with straight tips and serrated finger grips for gripping small cylindrical parts,
	dia. 1.2 – 2.5 mm/.047 – .108 Inch; length 120 mm/4.724 Inch
670EP	High-precision tip cutter for connections of SMD micro-packages up to 0.25 mm/.010 Inch

Fibre optic tools

High precision tools for optical fibres

- Suitable for simple and precise stripping of optical fibres
- High grade tool steel
- Non-reflecting surface
- ESD-safe

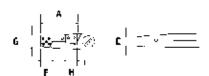


Side stripping



120 mm /4.724 Inch
80 g/2.82 oz.

- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres.
- Unlimited stripping length thanks to side stripping.
- Diameter is set by means of two screws.
- Replaceable cutting blade.



A = jaw length

E = width of tips

F = depth of interchangeable blades

G = total height of both tips

H = length of cutting blade

Model	Dimensions in mm/Inch					
	Α	E	F	G	Н	Wire diameter
552S	21 .827		6.7		9 .354	0.06 mm – 0.60 mm (AWG 42 – 24) .002 Inch – .023 Inch

Holding / gripping



120 mm/4.724 Inch 20 g/0.71 oz.

- Stainless-steel tweezers with synthetic tips (PPS).
- \blacksquare Non-reflecting surface.
- Non-magnetic.

Model	Description
249SA	Precision tweezers with pointed synthetic tips (PPS) to protect optical fibres and serrated finger grips for secure handling. Volume resistance 16 Ω /cm. Heat-resistant up to 250°C (480°F). Resistant to acids and molten soldering tin. Water-repellent.



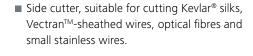


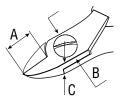
High precision tools for optical fibres

Cutting









A = length of cutting edges

B = head width

C = head thickness

Model	Dimensions in mm/Inch			
	А	В	С	
599FO	15	10.5	6.5	
	.590	.413	.256	





■ Side cutter, suitable for cutting Kevlar® silks, VectranTM-sheathed wires, optical fibres and small stainless wires.

Model	Cut	Dimensions in mm/Inch			
		Α	В	C	
599TFO		15	10.5	6.5	
	Semi-flush	.590	.413	.256	

Vacuum micromanipulator

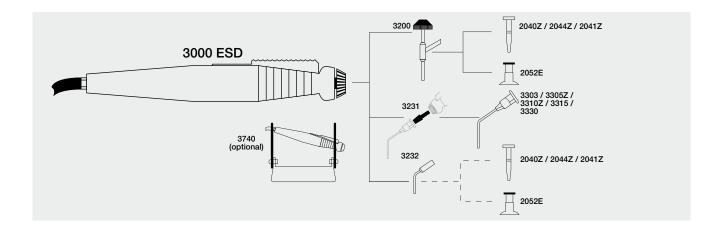
Vacuum micromanipulator

- Professional vacuum system for precise handling of tiny SMD components and silicon wafers
- Suitable for assembly and laboratory work



Advantages of the vacuum micromanipulator:

- Easy picking up of components or silicone wafers
- Immediate set-down/release of parts
- Full 360° rotating system
- Direct axial switch for vacuum
- Ergonomic shape reduces hand and wrist fatigue
- ESD-safe



Handle



140 mm/5.512 Inch 35 g/1.23 oz. ■ Ergonomic handle with axial switch, serrated finger grip for secure handling.

Model	Dimensions in mm/Inch		
3000ESD*	Dia. 10 mm .394 Inch	Handle	

^{*}Not available in North America



Inserts for 3000ESD housing

Adapters

Model	lindi.	=	Description
3200*	25 mm .984 Inch	15 g 0.53 oz.	Stainless-steel adapter, rotatable through 360°, straight suction tip for direct working or as an adapter for suction tips or suction cups
3231*	5 mm .197 Inch	5 g 0.17 oz.	Adapter fix, for working with Series 3300 suction tips
3232*	15 mm total .590 Inch	3 g 0.10 oz.	Adapter fix, for direct working or as an adapter for suction tips 20442/20412 or suction cup 2052E

Suction tips, straight

- Polyethylene suction tip.
- For working with 3200 or 3232 adapter.

Model		Outside diameter	Inside diameter
2044Z*	Ţ	1.3 mm .051 lnch	0.9 mm .035 Inch
2041Z*	5	2.0 mm .078 lnch	1.4 mm .015 Inch

^{*}Not available in North America

Vacuum micromanipulator

Inserts for 3000ESD housing

Suction needles

- Stainless-steel suction needle.
- Bent 45°
- For working with 3200 or 3232 adapter.

Model		Outside diameter	Inside diameter
3303*	The state of the s	0.30 mm .011 lnch	0.16 mm .006 Inch
3305Z*		0.50 mm .020 Inch	0.25 mm .019 Inch
3310Z*		1.0 mm .039 lnch	0.65 mm .025 Inch

Suction cups

- Silicone suction cup.
- For working with 3200 or 3232 adapter.

Model		Diameter
2052E*	<u>F</u>	4.5 mm .177 Inch



Inserts for 3000ESD housing

Accessories

Model	Description
3714 Z *	Diaphragm pump 230 V, 5 l/min, max. vacuum –250 mbar
3008ESD*	Tube, flexible, 1.8 m/70.866 Inch, ESD-safe
3717*	Filter for tube 3008ESD
3740*	Table holder for 3000ESD (without accessories)

Vacuum kit



- Complete accessories for easy pick-up and immediate set-down of components or silicon wafers.
- Set for laboratory work.
- In an ESD-safe plastic case.

Model	Description	
3000KCESD*	Vacuum kit	
	contents:	
	3000ESD	Handle
	3200	Adapter, rotatable through 360°
	3231	Adapter fix
	3305Z, 3310Z, 3315	Suction needles
	2052E	Suction cup, dia. 4.5 mm / .177 Inch
	KDS 260L	Suction cup, dia. 9.5 mm / .374 Inch
	3740	Table holder
	3714Z	Diaphragm pump 230 V
	3008ESD	Tube, flexible
	3717	Filter
	102ACA	SMD tweezers, 115 mm / 4.527 Inch, with bent tips and blunted edges. For vertical working with small components. Stainless steel, non-reflecting surface, non-magnetic.

^{*}Not available in North America

Kits







Erem Toolset Universal



- For use in electronics assembly, the watchmaking industry, medicine or dentistry.
- 11-piece tool kit with monitored discharging ESD handles.
- Special tool steel, non-reflecting surface, resharpenable (cutter).
- High-quality precision tweezers, non-magnetic, for assembly work in electronics and light engineering.
- Precision screwdriver with hardened, durable tips, for precision working in confined areas.
- In an ESD-safe plastic case.

Model	Description	
3600KU*	Erem Toolset Universal	
contents:		
XP600	Precision-screwdriver set for electronics	4 regular screwdrivers: 1.5 x 60 mm/.059 x 2.362 lnch, 2.0 x 60 mm/.078 x 2.362 lnch, 2.5 x 60 mm/.098 x 2.362 lnch, 3.0 x 60 mm/.118 x 2.362 lnch, 2 Phillips screwdrivers No. 0 and No. 00
2412E	Series 2400 MagicSense side cutter, semi-flush, oval head	Robust head for universal use, hard wire 0.5 mm/.019 lnch, medium hardness 1.0 mm/.039 lnch, Cu 1.6 mm/.066 lnch
2442P	Series 2400 MagicSense flat nose pliers	With smooth jaws, precision-machined edges, e.g. for gripping flat workpieces
622NB	Tip cutter, flush, relieved, long, fine head	Miniature cutter for excellent access, flush, medium hardness 0.6 mm/.023 Inch, Cu 0.8 mm/.031 Inch
AASA	Precision tweezers	Pointed tips straight, special stainless steel, non-magnetic
2ASASL	Precision tweezers	With flat rounded tips, tip widths 2 mm/.078 lnch, special stainless steel, non-magnetic





Erem Toolset SMD



- For SMD assembly and repair applications.
- 6-piece tool kit with monitored discharging ESD handles.
- Special tool steel, non-reflecting surface, resharpenable (cutter).
- High-quality precision tweezers, non-magnetic, for SMD work.
- In an ESD-safe plastic case.

Model	Description	
3900KC	Erem Toolset SMD	
contents:		
51SA	Precision tweezers	With very pointed tips, angled 30°, relieved
102ACA	SMD precision tweezers 0.5 mm 0.19 lines 1 - 1.5 mm 0.50 lines 1 -	Tip width 0.5 mm/.019 Inch, angled 45°
103ACA	SMD precision tweezers	Tip width 1 mm/.039 Inch, angled 45°
150SAMB	SMD precision tweezers	With round tips, dia. 1.2 mm $-$ 2.5 mm/.047 Inch $-$.098 Inch, angled 40°, serrated finger grips for gripping cylindrical components
150SAMF	SMD precision tweezers	With round, very narrow tips, dia. 1.2 mm – 2.5 mm/ .047 lnch – .098 lnch, serrated finger grips
670EP	Miniature tip cutter, flush, relieved head	For SMD and micro-package contacts up to 0.25 mm/.010 lnch

^{*}Not available in North America

Erem 2400 MagicSense



- For use in electronics, PCB assembly, wire and connection handling.
- 3-piece tool kit.
- MagicSense moulded handle with soft touch for increased comfort and grip.
- Induction-hardened cutting edges in Rockwell hardness 64-65 HRc, high grade of hardness for exceptionally long life.
- High grade tool steel, non-reflecting surface, ESD-safe, resharpenable.
- In an ESD-safe plastic case.

Modell	Beschreibung	
2400KMS*	Erem 2400 MagicSense	
contents:		
2412E	Series 2400 MagicSense side cutter, semi-flush, oval head	Robust head for universal use, hard wire 0.5 mm/.019 Inch, medium hardness 1.0 mm/.039 Inch, Cu 1.6 mm/.062 Inch
2482E	Series 2400 MagicSense tip cutter, flush, narrow head	Angled 45°, ideally suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications
2411P	Series 2400 MagicSense needle nose pliers	Smooth, rounded jaws





its

Swiss high precision tweezers in a kit

Erem Tweezers Prime Selection



- High-quality precision tweezers for use in microelectronics, light engineering, laboratory work, biology and medicine.
- 3-piece tweezer kit.
- Special stainless steel, non-magnetic, non-rusting, acid-proof.
- In an ESD-safe plastic case.

Model	Description	
3300TPS*	Erem Tweezers Prime Selection	
contents:		
3SA	Precision tweezers	With pointed tips straight
2ASA	Precision tweezers	With flat rounded tips for gripping smaller components, tip width 2 mm/.078 lnch
7SA	Precision tweezers	Curved, relieved, with pointed tips

^{*}Not available in North America

Swiss high precision tweezers in a kit

Erem SMD Tweezers – Universal



- High-quality precision tweezers for SMD work with assorted shapes of chip, SOT, MELFs, mini MELFs, flatpacks.
- 4-piece tweezer kit.
- Blunted edges prevent PCB damage.
- Special stainless steel, non-magnetic, non-rusting, acid-proof.
- In an ESD-safe plastic case.

Description		
Erem SMD Tweezers – Universal		
SMD precision tweezers	Angled 45°, tip width 0.5 mm/.019 Inch	
SMD precision tweezers	With round tips, angled 40°, serrated finger grips for secure handling, for gripping cylindrical components	
SMD precision tweezers	With angled pointed tips for vertical use, reverse clamping action for easy handling	
Precision tweezers	Curved, relieved, with pointed tips	
	SMD precision tweezers SMD precision tweezers SMD precision tweezers SMD precision tweezers	





its

Swiss high precision tweezers in a kit

Erem Premium Tweezers



- High-quality precision tweezers for microelectronics, light engineering and SMD work.
- 5-piece tweezer kit.
- Blunted edges prevent PCB damage.
- Special stainless steel, non-magnetic, non-rusting, acid-proof.
- In an ESD-safe plastic case.

Model	Description	
3500TP*	Erem Premium Tweezers	
contents:		
35A	Precision tweezers	With pointed tips straight
2ASA	Precision tweezers	With flat rounded tips for gripping small components, tip width 2 mm/.078 lnch
7SA	Precision tweezers	Curved, relieved, with pointed tips
102ACA	SMD precision tweezers 0.5 mm 0.19 loch 0.19 loch 1.5 mm	
15AGW	Cutting tweezers	With narrow oblique head, for soft wires, hardened cutting edges for increased service life

^{*}Not available in North America

Vacuum kit

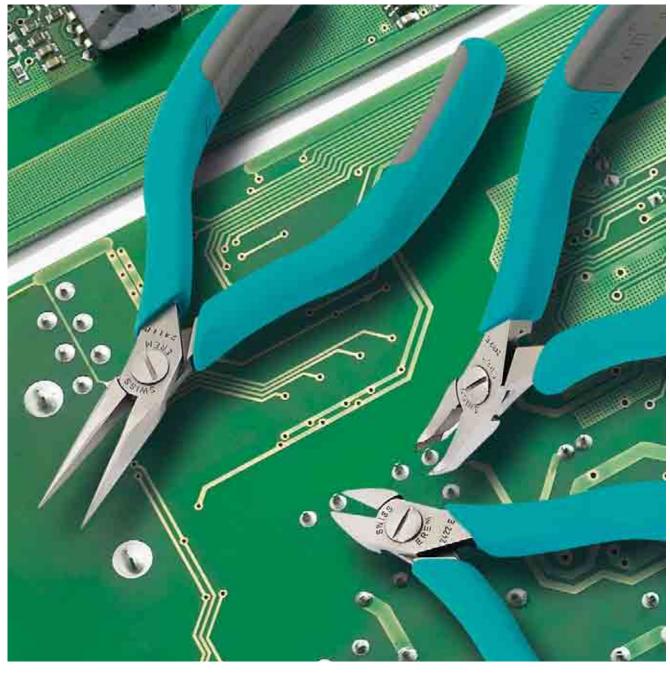


- Complete accessories for easy pick-up and immediate set-down of components or silicon wafers.
- Set for laboratory work.
- In an ESD-safe plastic case.

Model	Description	
3000KCESD*	Vacuum kit	
contents:		
3000ESD	Handle	Size: $400 \times 320 \times 150$ mm/15.748 x 12.598 x 5.905 lnch, 2.2 kg, with axial switch, ergonomic, serrated finger grip
3200	Adapter, rotatable through 360°	Stainless-steel adapter, rotatable through 360°, straight suction tip for direct working or as an adapter for section tips or suction cups
3231	Adapter fix	For working with 3300 suction tips
3305Z, 3310Z,	3315	Suction needles, 45°, stainless steel For working 3231 adapter
2052E	Suction cup, dia. 4.5 mm/.177 Inch, silicone	For working with 3200 or 3232 adapter
KDS 260L	Suction cup, dia. 9.5 mm/.374 Inch	
3740	Table holder	
3714Z	Diaphragm pump	230 V, 5 l/min, max. vacuum –250 mbar
3008ESD	Tube, flexible,	1.8 m, ESD-safe
3717	Filter	for tube 3008ESD
102ACA	SMD tweezers	115 mm/4.527 Inch, with curved tips and blunted edges, for vertical working with small components, stainless steel, non-reflecting surface, non-magnetic

^{*}Not available in North America





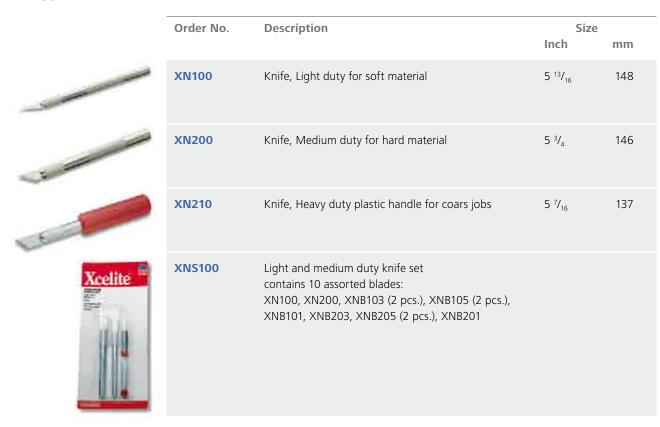
Knives, Shearcutters, Screwdriver, Kits





Knives & Blades

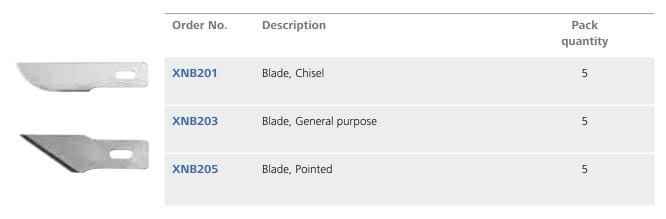
Knives



Blades for XN100



Blades for XN200 and XN210



Shearcutters & Pliers



Shearcutter – general purpose

■ Cutting copper wire to 0,8 mm diameter



Order No.	Description	on Size	
		Inch	mm
170M	Shearcutter, red handles	5	127
175M	Shearcutter with safety clips, red handles	5	127

Sheet metal Snip



Order No.	Description	Siz	Size	
		Inch	mm	
86NCG	Snip, electronic	6 1/2	165	

Wire Stripper & Cutters



Order No.	Description	Siz	Size	
		Inch	mm	
100XV	Wire Stripper & Cutter, adjustable	5	127	
101SNV	Wire Stripper & Cutter, spring-opening	5	127	

Screwdriver & Nutdriver Sets

Mini Screwdriver Set with Slotted/Phillips Screwdrivers



Order No. Description

M60 Mini Screwdriver Set with Slotted/Phillips Screwdrivers (7 pcs.)

Offset Ratches Screwdriver Set



Order No. Description

XL75 Offset Ratches Screwdriver Set



Screwdriver Set for slotted Screws - Inch Size



Order No.	Description	Len	gth	Colour
		Inch	mm	
PS88	Screwdriver Set for Slotted Screws – Inch Size			
consists of:				
P3321*	Screwdriver, Midget 3/32" (2,38 mm)	3 1/2	89	green
P181*	Screwdriver, Midget 1/8" (3,18 mm)	3 1/2	89	red
P5321*	Screwdriver, Midget 5/32" (3,97 mm)	3 1/2	89	black
P3161*	Screwdriver, Midget 3/16" (4,76 mm)	3 1/2	89	orange
P141	Screwdriver, Midget 1/8" (3,18 mm)	3 1/2	89	amber
P0*	Screwdriver, Philips Nr. 0	3 1/2	89	blue
P1*	Screwdriver, Philips Nr. 1	3 1/2	89	brown
P2*	Screwdriver, Philips Nr. 2	3 1/2	89	amber
TA2*	Torque amplifier handle			black

Screwdriver Set for Hex Socket Screws – Inch Size



Order No.	Description		gth	
		Inch	mm	
PS89	Screwdriver Set for Hex Socket Screws – Inch Size			
consists of:				
P18*	Screwdriver, Midget, Hex, 0,028" (0,71 mm)	3 1/2	89	
P19*	Screwdriver, Midget, Hex, 0,035" (0,89 mm)	3 1/2	89	
P20*	Screwdriver, Midget, Hex, 0,050" (1,27 mm)	3 1/2	89	
P21*	Screwdriver, Midget, Hex, 1/16" (1,59 mm)	3 1/2	89	
P22*	Screwdriver, Midget, Hex, 5/64" (1,98 mm)	3 1/2	89	
P23*	Screwdriver, Midget, Hex, 3/32" (2,38 mm)	3 1/2	89	
P764*	Screwdriver, Midget, Hex, 7/64" (2,78 mm)	3 1/2	89	
P24*	Screwdriver, Midget, Hex, 1/8" (3,18 mm)	3 1/2	89	
TA2*	Torque amplifier handle, black			

Screwdriver & Nutdriver Sets

Compact Convertible Hex Socket Srewdriver Set – Metric Size



Description	Len	Lenath	
Description	Inch	mm	
Compact Convertible Hex Socket Srewdriver	r Set – Metric Size		
Screwdriver, Midget, Hex, 1,27 mm	3 1/2	89	
Screwdriver, Midget, Hex, 1,5 mm	3 1/2	89	
Screwdriver, Midget, Hex, 0,89 mm	3 1/2	89	
Screwdriver, Midget, Hex, 2,5 mm	3 1/2	89	
Screwdriver, Midget, Hex, 3 mm	3 1/2	89	
Screwdriver, Midget, Hex, 4 mm	3 1/2	89	
Screwdriver, Midget, Hex, 5 mm	3 1/2	89	
Screwdriver, Midget, Hex, 0,89 mm	3 1/2	89	
Torque amplifier handle, black			
	Screwdriver, Midget, Hex, 1,27 mm Screwdriver, Midget, Hex, 1,5 mm Screwdriver, Midget, Hex, 0,89 mm Screwdriver, Midget, Hex, 2,5 mm Screwdriver, Midget, Hex, 3 mm Screwdriver, Midget, Hex, 4 mm Screwdriver, Midget, Hex, 5 mm Screwdriver, Midget, Hex, 5 mm Screwdriver, Midget, Hex, 0,89 mm	Screwdriver, Midget, Hex, 1,27 mm Screwdriver, Midget, Hex, 1,5 mm Screwdriver, Midget, Hex, 0,89 mm Screwdriver, Midget, Hex, 0,89 mm Screwdriver, Midget, Hex, 2,5 mm Screwdriver, Midget, Hex, 3 mm Screwdriver, Midget, Hex, 4 mm Screwdriver, Midget, Hex, 5 mm Screwdriver, Midget, Hex, 0,89 mm 3 ½ Screwdriver, Midget, Hex, 0,89 mm	Screwdriver, Midget, Hex, 1,27 mm Screwdriver, Midget, Hex, 1,5 mm Screwdriver, Midget, Hex, 0,89 mm Screwdriver, Midget, Hex, 0,89 mm Screwdriver, Midget, Hex, 2,5 mm Screwdriver, Midget, Hex, 3 mm Screwdriver, Midget, Hex, 4 mm Screwdriver, Midget, Hex, 4 mm Screwdriver, Midget, Hex, 5 mm Screwdriver, Midget, Hex, 0,89 mm Screwdriver, Midget, Hex, 0,89 mm Screwdriver, Midget, Hex, 0,89 mm

Nutdriver Set – Inch Sizes



Order No.	Description	Leng	gth	Colour	
		Inch	mm		
PS120	Nutdriver Set – Inch Size				
consists of:					
P3*	Nutdriver, Midget, 3/32" (2,38 mm)	3 1/2	89	blue	
P4*	Nutdriver, Midget, 1/18" (3,18 mm)	3 1/2	89	red	
P5*	Nutdriver, Midget, 5/32" (3,97 mm)	3 1/2	89	amber	
P6*	Nutdriver, Midget, 3/16" (4,76 mm)	3 1/2	89	black	
P7*	Nutdriver, Midget, 7/32" (5,56 mm)	3 1/2	89	brown	
P8*	Nutdriver, Midget, 1/4" (6,35 mm)	3 1/2	89	rred	
P9*	Nutdriver, Midget, 9/32" (7,14 mm)	3 1/2	89	orange	
P10*	Nutdriver, Midget, 5/16" (7,94 mm)	3 1/2	89	amber	
P11*	Nutdriver, Midget, 11/32" (8,73 mm)	3 1/2	89	green	
P12*	Nutdriver, Midget, 3/8" (9,53 mm)	3 1/2	89	blue	
TA2*	Torque amplifier handle			black	



Compact Convertible Nutdriver Set – Metric Sizes



Order No.	Description	Len	gth	
		Inch	mm	
PS121MM	Compact Convertible Nutdriver Set – Metric Size			
consists of:				
P3MM*	Nutdriver, Midget, 3 mm (0,118")	3 1/2	89	
P35MM*	Nutdriver, Midget, 3,5 mm (0,138")	3 1/2	89	
P4MM*	Nutdriver, Midget, 4 mm (0,157")	3 1/2	89	
P45MM*	Nutdriver, Midget, 4,5 mm (0,177")	3 1/2	89	
P5MM*	Nutdriver, Midget, 5 mm (0,197")	3 1/2	89	
P55MM*	Nutdriver, Midget, 5,5 mm (0,217")	3 1/2	89	
P6MM*	Nutdriver, Midget, 6 mm (0,236")	3 1/2	89	
P7MM*	Nutdriver, Midget, 7 mm (0,276")	3 1/2	89	
P8MM	Nutdriver, Midget, 8 mm (0,315")	3 1/2	89	
P10MM	Nutdriver, Midget, 10 mm (0,394")	3 1/2	89	
TA2*	Torque amplifier handle, black			

Series 99 Service Kits & Sets



Order No.	Description
99MP	Multi-purpose Tool Kit, Roll Kit
consists of:	
991X	Regular Handle
994	T-Handle
99X5	Extension, 4"
99820	Blade, Screwdriver, Phillips No. 0
99821	Blade, Screwdriver, Phillips No. 1
99822	Blade, Screwdriver, Phillips No. 2
996	Blade, Nutdriver, 3/16"
997	Blade, Nutdriver, 7/32"
998	Blade, Nutdriver, 1/4"
998M	Blade, Nutdriver, magnetic, 1/4"
999	Blade, Nutdriver, 9/32"
9910	Blade, Nutdriver, 5/16"
9911	Blade, Nutdriver, 11/32"
9912	Blade, Nutdriver, 3/8"
9914	Blade, Nutdriver, 7/16"
9916	Blade, Nutdriver, 1/2"
9920	Blade, Screwdriver, Allen Hex Type, 0,050"
9921	Blade, Screwdriver, Allen Hex Type, 1/16"
9922	Blade, Screwdriver, Allen Hex Type, 5/64"
9923	Blade, Screwdriver, Allen Hex Type, 3/32"
99764	Blade, Screwdriver, Allen Hex Type, 7/64"
9924	Blade, Screwdriver, Allen Hex Type, 1/8"
99964	Blade, Screwdriver, Allen Hex Type, 9/64"
9925	Blade, Screwdriver, Allen Hex Type, 5/32"
9926	Blade, Screwdriver, Allen Hex Type, 3/16"
9961	Blade, Bristol 6-flute Multiple Spline, 0,048"
9962	Blade, Bristol 6-flute Multiple Spline, 0,060"
9963	Blade, Bristol 4-flute Multiple Spline, 0,069"
9964	Blade, Bristol 6-flute Multiple Spline, 0,072"
9965	Blade, Bristol 4-flute Multiple Spline, 0,076"
9966	Blade, Bristol 6-flute Multiple Spline, 0,096"
9967	Blade, Bristol 6-flute Multiple Spline, 0,111"
9968	Blade, Bristol 6-flute Multiple Spline, 0,145"
9969	Blade, Bristol 6-flute Multiple Spline, 0,183"
99125	Blade, Screwdriver, Slotted, 1/8"
99811	Blade, Screwdriver, Slotted, 3/16"
99250	Blade, Screwdriver, Slotted, 1/4"
99312	Blade, Screwdriver, Slotted, 5/16"
9938	Reamer, 1/8" x 3/8"

Xcelite® 🐯



Order No.	Description
99SPC	Personal Computer Repair Kit
consists of:	
E1	IC-Inserter
X1	IC-Extractor
T1	Tweezer
R1	Gripping Tool
99820	Blade, Screwdriver, Phillips No. 0
99821	Blade, Screwdriver, Phillips No. 1
9910XTD	Torx Blade No. 10
9915XTD	Torx Blade No. 15
996	Blade, Nutdriver, 3/16"
998	Blade, Nutdriver, 1/4"
99811	Blade, Screwdriver, Slotted, 3/16"

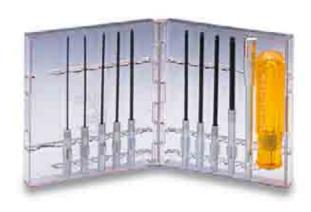


Order No.	Description
99PS40	Allen Hex Type Screwdriver Set – Inch Size
consists of:	
991X	Regular Handle
99X5	Extension 4"
9920	Blade, Screwdriver, Allen Hex Type, 0,050"
9921	Blade, Screwdriver, Allen Hex Type, 1/16"
9922	Blade, Screwdriver, Allen Hex Type, 5/64"
9923	Blade, Screwdriver, Allen Hex Type, 3/32"
99764	Blade, Screwdriver, Allen Hex Type, 7/64"
9924	Blade, Screwdriver, Allen Hex Type, 1/8"
99964	Blade, Screwdriver, Allen Hex Type, 9/64"
9925	Blade, Screwdriver, Allen Hex Type, 5/32"
9926	Blade, Screwdriver, Allen Hex Type, 3/16"

Series 99 Service Kits & Sets



Order No.	Description
99PS41MM	Allen Hex Type Screwdriver Set – Metric Size
consists of:	
991X	Regular Handle
99X5	Extension 4"
9971MM	Blade, Screwdriver, Allen Hex Type, 1,27 mm
9972MM	Blade, Screwdriver, Allen Hex Type, 1,5 mm
9973MM	Blade, Screwdriver, Allen Hex Type, 2 mm
9974MM	Blade, Screwdriver, Allen Hex Type, 2,5 mm
9975MM	Blade, Screwdriver, Allen Hex Type, 3 mm
9976MM	Blade, Screwdriver, Allen Hex Type, 4 mm
9977MM	Blade, Screwdriver, Allen Hex Type, 5 mm



Order No.	Description
99PS40BP	Innensechskant-Screwdriversatz mit Kugelspitzen – Zollabmessung
consists of:	
991X	Faustgriff
99X5	Verlängerung, 102 mm
9920BP	Innensechskant-Screwdriver mit Kugelspitze, 0,05"
9921BP	Innensechskant-Screwdriver mit Kugelspitze, 1/16"
9922BP	Innensechskant-Screwdriver mit Kugelspitze, 5/64"
9923BP	Innensechskant-Screwdriver mit Kugelspitze, 3/32"
99764BP	Innensechskant-Screwdriver mit Kugelspitze, 7/64"
9924BP	Innensechskant-Screwdriver mit Kugelspitze, 1/8"
99964BP	Innensechskant-Screwdriver mit Kugelspitze, 9/64"
9925BP	Innensechskant-Screwdriver mit Kugelspitze, 5/32"
9926BP	Innensechskant-Screwdriver mit Kugelspitze, 3/16"

Xcelite



Order No.	Description
99PS41MMBP	Ballpoint Allen Hex Socket Type Screwdriver Set – Metric Size
consists of:	
991X	Regular Handle
99X5	Extension 4"
9971MMBP	Blade, Screwdriver, Allen Hex Type, Ballpoint, 1,27 mm
9972MMBP	Blade, Screwdriver, Allen Hex Type, Ballpoint, 1,5 mm
9973MMBP	Blade, Screwdriver, Allen Hex Type, Ballpoint, 2 mm
9974MMBP	Blade, Screwdriver, Allen Hex Type, Ballpoint, 2,5 mm
9975MMBP	Blade, Screwdriver, Allen Hex Type, Ballpoint, 3 mm
9976MMBP	Blade, Screwdriver, Allen Hex Type, Ballpoint, 4 mm
9977MMBP	Blade. Screwdriver, Allen Hex Type, Ballpoint. 5 mm



Order No.	Description
99PS50	Screwdriver & Nutdriver Set
consists of:	
991X	Regular Handle
99X5	Extension 4"
99821	Blade, Screwdriver, Phillips No. 0
99822	Blade, Screwdriver, Phillips No. 1
996	Blade, Nutdriver, 3/16"
997	Blade, Nutdriver, 7/32"
998	Blade, Nutdriver, 1/4"
999	Blade, Nutdriver, 9/32"
9910	Blade, Nutdriver, 5/16"
9911	Blade, Nutdriver, 11/32"
9912	Blade, Nutdriver, 3/8"
99811	Blade, Screwdriver, Slotted, 3/16"
99250	Blade, Screwdriver, Slotted, 1/4"

Series 99 Service Kits & Sets



Order No.	Description
99PS51MM	Interchangeable Shank, Nutdriver Set – Metric Size
consists of:	
991X	Regular Handle
99X5	Extension 4"
994MM	Blade, Nutdriver, 4 mm
9945MM	Blade, Nutdriver, 4,5 mm
995MM	Blade, Nutdriver, 5 mm
9955MM	Blade, Nutdriver, 5,5 mm
996MM	Blade, Nutdriver, 6 mm
997MM	Blade, Nutdriver, 7 mm
998MM	Blade, Nutdriver, 8 mm
999MM	Blade, Nutdriver, 9 mm
9910MM	Blade, Nutdriver, 10 mm
9911MM	Blade, Nutdriver, 11 mm



Order No.	Description
99PS60	Bristol Multiple Spline Socket Screwdriver Set
consists of:	
991X	Regular Handle
99X5	Extension 4"
9961	Blade, Bristol 6-flute Multiple Spline, 0,048"
9962	Blade, Bristol 6-flute Multiple Spline, 0,060"
9963	Blade, Bristol 4-flute Multiple Spline, 0,069"
9964	Blade, Bristol 6-flute Multiple Spline, 0,072"
9965	Blade, Bristol 4-flute Multiple Spline, 0,076"
9966	Blade, Bristol 6-flute Multiple Spline, 0,096"
9967	Blade, Bristol 6-flute Multiple Spline, 0,111"
9968	Blade, Bristol 6-flute Multiple Spline, 0,145"
9969	Blade, Bristol 6-flute Multiple Spline, 0,183"



Order No.	Description
99XTD7 consists of:	Torx Screwdriver Tool Set
CONSISTS OF.	
991X	Regular Handle
9910XTD	Torx Blade No. 10
9915XTD	Torx Blade No. 15
9920XTD	Torx Blade No. 20
9925XTD	Torx Blade No. 25
9927XTD	Torx Blade No. 27
9930XTD	Torx Blade No. 30

Single Tools for Service Kits and Set

Order No.	Description
99831	Screwdriver, Pozidriv No. 1
99832	Screwdriver, Pozidriv No. 2
996XTD	Torx Blade No. 6
998XTD	Torx Blade No. 8

Tool Cases



Final appearance may vary

Order No.	Description	Order No.	Description
T0044130000	TCE150ST Tool Case synthetic material with special tools out of Apex Tools product lines – Metric Size		
consists of:			
991X	Regular Handle	99250	Blade, Screwdriver, Slotted, 1/4"
994R	T-Ratching Handle	99312	Blade, Screwdriver Slotted, 5/16"
99X5	Extension 4"	9938	Reamer, 1/8" x 3/8"
9971MM	Blade, Screwdriver, Allen Hex, 1,27 mm	Erop330	Tip Cutter, 130 mm, 40°
9972MM	Blade, Screwdriver, Allen Hex, 1,5 mm	542E	Flat Nose Plier
9973MM	Blade, Screwdriver, Allen Hex, 2 mm	543E	Round Nose Plier
9974MM	Blade, Screwdriver, Allen Hex, 2,5 mm	2211P	Needle Nose Plier
9975MM	Blade, Screwdriver, Allen Hex, 3 mm	170M	Shearcutter, red handles
9976MM	Blade, Screwdriver, Allen Hex, 4 mm	812N	Side Cutter
9977MM	Blade, Screwdriver, Allen Hex, 5 mm	612N	Side Cutter
994MM	Blade, Nutdriver, 4 mm	86CG	Snip electronic
9945MM	Blade, Nutdriver, 4,5 mm	SX101	Phillips Screwdriver, Stubby No.1
995MM	Blade, Nutdriver, 5 mm	SX102	Phillips Screwdriver, Stubby No.2
9955MM	Blade, Nutdriver, 5,5 mm	XST101	Phillips Screwdriver, Super-tru-tip No.1
996MM	Blade, Nutdriver, 6 mm	0056103699	Soldering Iron W61, 60W
997MM	Blade, Nutdriver, 7 mm	0051304199	DS7N Desoldering head for W 61
998MM	Blade, Nutdriver, 8 mm	XL75	Offset Ratches, Screwdriver Set
999MM	Blade, Nutdriver, 9 mm	1035	Wire Stripper & Cutter, Cam Stop Adjustable
99820	Blade, Screwdriver, Phillips No.0	0016100402	Hand File Cut 2, 100 mm
99821	Blade, Screwdriver, Phillips No.1	AC16C	Wrench, 150 mm
99822	Blade, Screwdriver, Phillips No.2	0054002599	RL 60/40 - 100 solder
99811	Blade, Screwdriver, Slotted, 3/16"	0060403504	Y35CM Ultralock, Measuring Tape 5 m



Order No. Description

ith USA Standard Assortment –

Order No. Description

10031	1001 Case with USA Standard Assortment –
	Inch Size
consists of:	

COLISISTS OF	
991X	Regular Handle
991R	Ratching Handle
994R	T-Ratching Handle
99X5	Extension 4"
99X10	Extension 7"
9961	Blade, Bristol 6-flute Multiple Spline, 0,048"
9962	Blade, Bristol 6-flute Multiple Spline, 0,060"
9963	Blade, Bristol 4-flute Multiple Spline, 0,069"
9964	Blade, Bristol 6-flute Multiple Spline, 0,072"
9965	Blade, Bristol 4-flute Multiple Spline, 0,076"
9966	Blade, Bristol 6-flute Multiple Spline, 0,096"
9967	Blade, Bristol 6-flute Multiple Spline, 0,111"
9968	Blade, Bristol 6-flute Multiple Spline, 0,145"
9969	Blade, Bristol 6-flute Multiple Spline, 0,183"
9920	Blade, Screwdriver, Allen Hex Type, 0,050"
9921	Blade, Screwdriver, Allen Hex Type, 1/16"
9922	Blade, Screwdriver, Allen Hex Type, 5/64"
9923	Blade, Screwdriver, Allen Hex Type, 3/32"
99764	Blade, Screwdriver, Allen Hex Type, 7/64"
9924	Blade, Screwdriver, Allen Hex Type, 1/8"
99964	Blade, Screwdriver, Allen Hex Type, 9/64"
9925	Blade, Screwdriver, Allen Hex Type, 5/32"
9926	Blade, Screwdriver, Allen Hex Type, 3/16"
99125	Blade, Screwdriver, Slotted, 1/8"
99811	Blade, Screwdriver, Slotted, 3/16"
99250	Blade, Screwdriver, Slotted, 1/4"
99312	Blade, Screwdriver, Slotted, 5/16"
99820	Blade, Screwdriver, Phillips No.0
99821	Blade, Screwdriver, Phillips No.1
99822	Blade, Screwdriver, Phillips No.2
9938	Reamer, 1/8" x 3/8"
42H	Seizer, Straight Nose, Serrated jaw
46CG	Wrench, adjustable, 6"
50CG	Plier, adjustable, 6"
51CG	Plier, Long Nose, 7"
53CG	Plier, adjustable, 4"
54CG	Plier, diagonal, 4"
66CG	Plier, diagonal, 6"

57CG	Plier, Needle Nose, 16"
59CG	Plier, Special Purpose, 8"
86CG	Electronic Snip, cushion grip, 6,5"
103S	Wire Stripper & Cutter, Cam Stop Adjustable
M60	Mini Screwdriver Set (7 pcs.)
XL75	Offset Ratches, Screwdriver Set
600	4-way Pocket Tool Screwdriver/Nutdriver
SB1	Convertible Blade
R3323	Screwdriver, Round Blade,
	Pocket Clip Style, 3/32" x 3"
R181	Screwdriver, Round Blade,
	Pocket Clip Style, 1/8" x 2"
R184	Screwdriver, Round Blade, Regular, 1/8" x 2"
R3164	Screwdriver, Round Blade, Regular, 3/16" x 4"
R3166	Screwdriver, Round Blade, Regular, 3/16" x 6"
R144	Screwdriver, Round Blade, Regular, 1/4" x 4"
R146	Screwdriver, Round Blade, Regular, 1/4" x 6"
SX101	Screwdriver, Phillips, Stubby No.1
XST100	Screwdriver, Phillips, Super-tru-tip No.0
XST101	Screwdriver, Phillips, Super-tru-tip No.1
XST102	Screwdriver, Phillips, Super-tru-tip No.2
S3161	Screwdriver, Square Blade, Stubby, 3/8"
S5161	Screwdriver, Square Blade, Stubby, 5/16"
S388	Screwdriver, Square Blade, Regular, 3/8"
S5166	Screwdriver, Square Blade, Regular, 5/16"
P18	Screwdriver, Allen Hex Type, 0,028"
P19	Screwdriver, Allen Hex Type, 0,035"
HS6	Nutdriver, Hollow, 3/16"
HS8	Nutdriver, Hollow, 1/4"
HS10	Nutdriver, Hollow, 5/16"
HS11	Nutdriver, Hollow, 11/32"
HS12	Nutdriver, Hollow, 3/8"
HS14	Nutdriver, Hollow, 7/16"
HS16	Nutdriver, Hollow, 1/2"
HS18	Nutdriver, Hollow, 9/16"
998M	Blade, Nutdriver, 1/4", magnetic
9910M	Blade, Nutdriver, 5/16", magnetic
PS120	Nutdriver Set

Tool Cases



Order	No.	Description	

TCMB100ST Tool Case with Tools – Inch Size

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COHSISTS OF.	
991X	Regular Handle
991R	Ratching Handle
994R	T-Ratching Handle
99X5	Extension 4"
99X10	Extension 7"
9961	Blade, Bristol 6-flute Multiple Spline, 0,048"
9962	Blade, Bristol 6-flute Multiple Spline, 0,060"
9963	Blade, Bristol 4-flute Multiple Spline, 0,069"
9964	Blade, Bristol 6-flute Multiple Spline, 0,072"
9965	Blade, Bristol 4-flute Multiple Spline, 0,076"
9966	Blade, Bristol 6-flute Multiple Spline, 0,096"
9967	Blade, Bristol 6-flute Multiple Spline, 0,111"
9968	Blade, Bristol 6-flute Multiple Spline, 0,145"
9969	Blade, Bristol 6-flute Multiple Spline, 0,183"
9920	Blade, Screwdriver, Allen Hex Type, 0,050"
9921	Blade, Screwdriver, Allen Hex Type, 1/16"
9922	Blade, Screwdriver, Allen Hex Type, 5/64"
9923	Blade, Screwdriver, Allen Hex Type, 3/32"
99764	Blade, Screwdriver, Allen Hex Type, 7/64"
9924	Blade, Screwdriver, Allen Hex Type, 1/8"
99964	Blade, Screwdriver, Allen Hex Type, 9/64"
9925	Blade, Screwdriver, Allen Hex Type, 5/32"
9926	Blade, Screwdriver, Allen Hex Type, 3/16"
99125	Blade, Screwdriver, Slotted, 1/8"
99811	Blade, Screwdriver, Slotted, 3/16"
99250	Blade, Screwdriver, Slotted, 1/4"
99312	Blade, Screwdriver, Slotted, 5/16"
99820	Blade, Screwdriver, Phillips No.0
99821	Blade, Screwdriver, Phillips No.1
99822	Blade, Screwdriver, Phillips No.2
9938	Reamer 1/8" x 3/8"
42H	Seizer, Straight Nose, Serrated jaw
46CG	Wrench, adjustable, 6"
50CG	Plier, adjustable, 6"
51CG	Plier, Long Nose, 7"
53CG	Plier, adjustable, 4"
54CG	Plier, diagonal, 4"
66CG	Plier, diagonal, 6"
57CG	Plier, Needle-Nose, 16"

Order No. Description

59CG	Plier, Special Purpose, 8"	
86CG	Electronic Snip, cushion grip, 6,5"	
103S	Wire Stripper & Cutter, Cam Stop Adjustable	
K22	Electricians` knife	
M60	Mini Screwdriver Set (7 pcs.)	
XL75	Offset Ratches, Screwdriver Set	
600	4-way Pocket Tool Screwdriver/Nutdriver	
SB1	Convertible Blade	
R3323	Screwdriver, Round Blade,	
	Pocket Clip Style, 3/32" x 3"	
R181	Screwdriver, Round Blade,	
	Pocket Clip Style, 1/8" x 2"	
R184	Screwdriver, Round Blade, Regular, 1/8" x 2"	
R5325	Screwdriver, Round Blade, Regular, 5/32"	
R3164	Screwdriver, Round Blade, Regular, 3/16" x 4"	
R3166	Screwdriver, Round Blade, Regular, 3/16" x 6"	
R144	Screwdriver, Round Blade, Regular, 1/4" x 4"	
R146	Screwdriver, Round Blade, Regular, 1/4" x 6"	
SX101	Screwdriver, Phillips, Stubby No.1	
XST100	Screwdriver, Phillips, Super-tru-tip No.0	
XST101	Screwdriver, Phillips, Super-tru-tip No.1	
XST102	Screwdriver, Phillips, Super-tru-tip No.2	
S3161	Screwdriver, Square Blade, Stubby, 3/8"	
S5161	Screwdriver, Square Blade, Stubby, 5/16"	
S388	Screwdriver, Square Blade, Regular, 3/8"	
S5166	Screwdriver, Square Blade, Regular, 5/16"	
P18	Screwdriver, Allen Hex Type, 0,028"	
P19	Screwdriver, Allen Hex Type, 0,035"	
HS6	Nutdriver, Hollow, 3/16"	
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HS11	Nutdriver, Hollow, 11/32"	
HS12	Nutdriver, Hollow, 3/8"	
HS14	Nutdriver, Hollow, 7/16"	
HS16	Nutdriver, Hollow, 1/2"	
HS18	Nutdriver, Hollow, 9/16"	
998M	Blade, Nutdriver, 1/4", magnetic	
9910M	Blade, Nutdriver, 5/16", magnetic	
PS120	Nutdriver Set	

Specials



Offset Ratchet Screwdriver Set



Order No.	Description
XL70	Offset Ratchet Screwdriver Set
consists of:	
XL3	Allen Hex Screw Bit 0,050" (1,27 mm)
XL4	Allen Hex Screw Bit 1/16" (1,54 mm)
XL5	Allen Hex Screw Bit 5/64" (1,98 mm)
XL6	Allen Hex Screw Bit 3/32" (2,38 mm)
XL7	Allen Hex Screw Bit 7/64" (1,54 mm)
XL8	Allen Hex Screw Bit 1/8" (3,17 mm)
XL9	Allen Hex Screw Bit 9/64" (3,57 mm)
XL10	Allen Hex Screw Bit 5/32" (3,97 mm)
XL12	Allen Hex Screw Bit 3/16" (4,76 mm)
XL14	Allen Hex Screw Bit 7/32" (5,56 mm)
XL16	Allen Hex Screw Bit 1/4" (6 mm)
XL17	Slotted Screw Bit 1/4" (6 mm)
XL18	Allen Hex Screw Bit 5/16" (7,94 mm)
XL20	Phillips Screw Bit No. 1
XL21	Phillips Screw Bit No. 2
XL24	Adapter bit
XL25	Slotted Screw Bit 3/16" (4,76 mm)
XL27	Offset Ratchet, reversible
XL50X	Screwdriver Extension

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