

Tweezers

"Superior" Precision Tweezers
SMD-Tweezers

Precision Knives and Blades

Pliers and Shearcutters

"Superior" Electronic Pliers
"Superior" Electronic Cutters
Miniature Electronic Pliers
Stainless diagonal cutters
Electronic Cutters and Forming Pliers
Electronic Snippers and Wire Strippers

Screwdriver and Sets

Screwdriver ESD safe
Screwdrivers for slotted screws with fixed handle
Screwdrivers for Phillips head screws with handle
Screwdriver special heads
Screwdriver sets

Nutdrivers and Sets

Combinations

**Allen hex type screwdrivers
(LN series)**

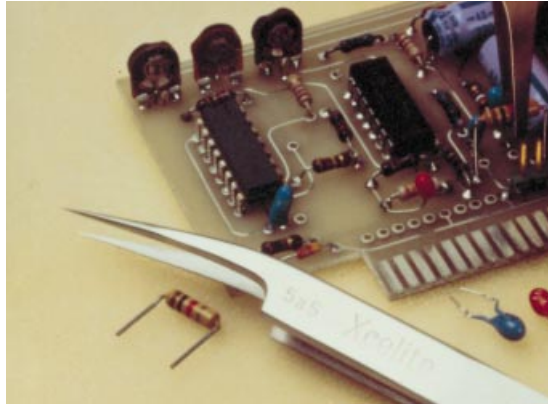
**Screwdriver and Nutdriver
Sets with torque amplifier handle**

Series 99



Xcelite®







**Screwdrivers, Nutdrivers,
Tool Kits & Sets, Pliers and Cutters**








"Superior"
Precision Tweezers

"Superior" tweezers are available in several types of material and suitable for different applications:

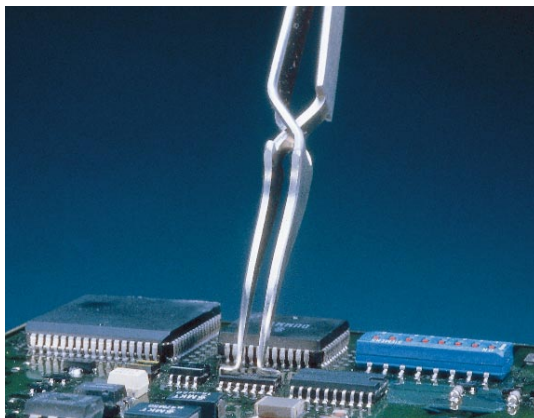
- C = Carbon Steel
- SA = non-magnetic, antiacid, stainless steel
- S = Stainless steel
- T = Teflon-coated

Description	Size	Model	
Strong points with flat inside edges.	120 mm 4 3/4"	00SA 4 70 001 00	
Short and narrow blades. Fine points.	90 mm 3 1/2"	0C9SA 4 70 002 00	
Strong points and fine blades. For general use.	120 mm 4 3/4"	1SA 4 70 004 00	
Flat rounded points, smooth sides to prevent marking wafers.	120 mm 4 3/4"	2ASA 4 70 005 00	
Flat rounded points. Teflon-coated.	120 mm 4 3/4"	2ASAT 4 70 015 00	
For fine assembly jobs in micro electronics.	115 mm 4 1/2"	3SA 4 70 006 00	

	Model	Size	Description
	3CSA 4 70 007 00	108 mm 4 1/4"	As 3SA, but shorter (see page 299).
	5SA 4 70 008 00	110 mm 4 3/8"	Superfine points.
	5ASA 4 70 009 00	115 mm 4 1/2"	Strong fine points, oblique.
	7SA 4 70 010 00	115 mm 4 1/2"	Curved superfine points.
	15A 4 70 011 00	115 mm 4 1/2"	Very popular cutting-tweezer. max. diameter ø 0,2 mm.
	35ASA 4 70 012 00	120 mm 4 3/4"	For handling delicate electronic components, e.g. wafers.
	35SAT 4 70 014 00	120 mm 4 3/4"	As 35ASA, but with Teflon-coating.
	36ASA 4 70 013 00	120 mm 4 3/4"	Smooth, polished wide offset jaws.

Description	Size	Modell	
Strong but fine points. For general use.	125 mm 4 7/8"	AASA 4 70 003 00	 A pair of silver-colored tweezers with fine points. The brand name 'AASA Xcelite' is engraved on the upper jaw.
Very strong points with strong blades.	125 mm 4 7/8"	AA 4 70 016 00	 A pair of dark-colored tweezers with fine points. The brand name 'Xcelite' is engraved on the upper jaw.
Extra heavy wide blades. Medium fine points.	160 mm 6 3/4"	WW 4 70 017 00	 A pair of dark-colored tweezers with wide blades and medium fine points. The brand name 'Xcelite' is engraved on the upper jaw.
Long heavy gripping tweezers.	160 mm 6 1/4"	813 4 70 018 00	 A pair of dark-colored tweezers with long, heavy gripping jaws and fine points. The brand name 'Xcelite' is engraved on the upper jaw.
Heavy gripping tweezers. Slightly angled jaws.	160 mm 6 1/4"	814 4 70 019 00	 A pair of dark-colored tweezers with heavy gripping jaws and slightly angled jaws. The brand name 'Xcelite' is engraved on the upper jaw.

Non magnetic
SMD-Tweezers



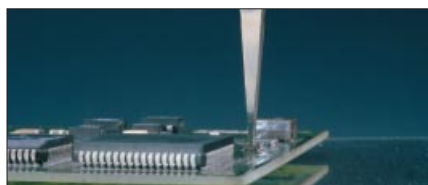
Model	Size	Description
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SMD20SA 4 70 020 00	115 mm 4 1/4"	Picking angle 30°, for Chip-com- ponents..
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SMD21SA 4 70 021 00	115 mm 4 1/4"	Picking angle 20°, for SOT-compo- nents.
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SMD22SA 4 70 022 00	115 mm 4 1/4"	Picking angle 90°, for Chip-com- ponents.
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SMD23SA 4 70 023 00	115 mm 4 1/4"	Picking angle 90°, for MELF's from 1,3 mm ø.
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SMD24SA 4 70 024 00	115 mm 4 1/4"	Picking angle 75°, for Mini MELF's from 1,3 mm ø.
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SMD25SA 4 70 025 00	115 mm 4 1/4"	Picking angle 20°, for Mini MELF's from 1,3 mm ø.
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Description

Size

Model

Picking angle 75°, for Flatpacks up to max. 20 mm.

115 mm
4 1/4"

SMD26SA
4 70 026 00



Picking angle 75°,
for diodes 0,8 mm ø.

115 mm
4 1/4"

SMD27SA
4 70 027 00



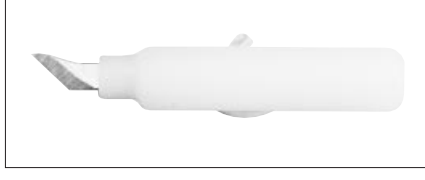
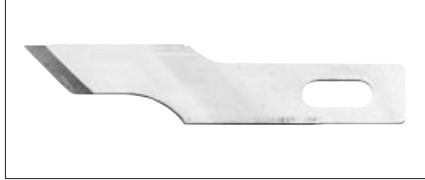
Precision-Knives and Blades

A fine selection of 3 knives from light-weight to heavy duty for the professional and hobbyist alike. Precision made for durable life. Interchangeable blades held firm in sure-locking four jaw chuck. Stay sharp blades are made from surgical steel and honed for closest cutting and long lasting edge.



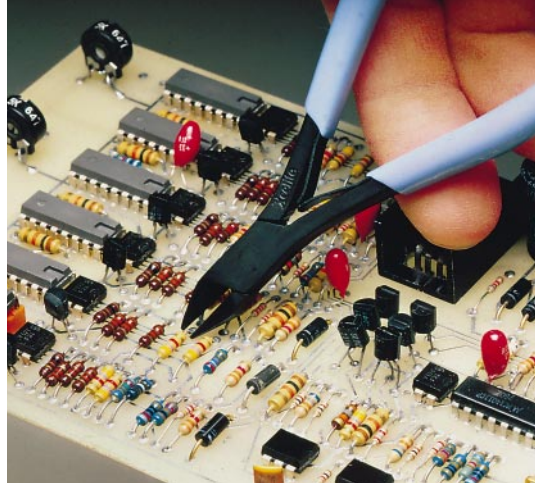
	Model	Size	Description
	XN100	148 mm 5 13/16"	Light Duty. Designed for light-duty cutting on paper, soft and lightweight material or wood.
	XN200	146 mm 5 3/4"	Medium duty. For heavy paper and medium density material.
	XN210	137 mm 5 7/16"	Heavy duty plastic handle. For working with hardwood, plastic and other difficult to cut materials.
	XN400	129 mm 5 1/2"	Swivel blade. Free moving swivel for easy cutting of curves in lightweight material.
	XNS100		Light and medium duty knife set. Complete with 10 assorted blades. For wide range of cutting operations. Contents: XN100 XN200 XNB103 (2 pcs) XNB105 XNB101 XNB203 XNB205 (2 pcs) XNB201


Description	Size	Model
<p>Fits knife XN100 Fine pointed. Contains 5 pcs. (XNB103) and 100 pcs. (XNB103B).</p>		<p>XNB103 XNB103B</p>
<p>Stencil. Contains 5 pcs.</p>		<p>XNB105</p>
<p>Standard. Contains 5 pcs.</p>		<p>XNB101</p>
<p>Fits knife XN200 and XN210 General purpose. Contains 5 pcs.</p>		<p>XNB203</p>
<p>Pointed. Contains 5 pcs.</p>		<p>XNB205</p>
<p>Chisel. Contains 5 pcs.</p>		<p>XNB201</p>
<p>Fits knife XN400 Swivel. Contains 2 pcs.</p>		<p>XNB401</p>




"Superior" Electronic-Pliers


All "Superior" electronic pliers come with black burnished heads, double-leaf spring opening and blue PVC covered handles. They are manufactured specially to meet the requirements of the Electronic Industry, in which work has to be performed in confined spaces.





 = serrated

 = Flat nose pliers


 = Round nose pliers


 = Box-joint


 = semi-flush

 = without serration

 = Half round pliers

 = Wire Stripping Pliers

 = Lap-joint

 = full-flush (flush-cut)

Model

Size

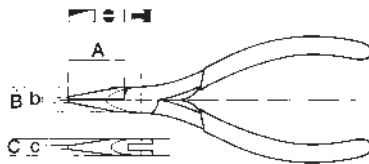
Description



174SEB
4 50 001 00

120 mm
4 3/4"
30 g

Snip Nose Plier, smooth polished inside jaws, for gripping fine parts and forming wire. Box-joint.



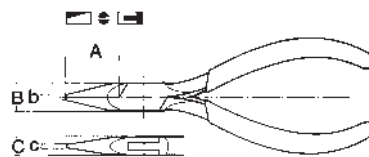
	A	B	C	b	c
mm	23	8,5	6,0	2,0	1,5



240SEB
4 50 002 00

130 mm
5 1/4"
70 g

Chain Nose Plier, without serration, rounded edges, for gripping, forming and twisting. Box-joint.



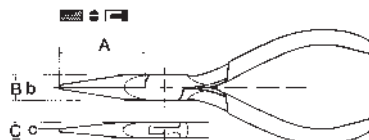
	A	B	C	b	c
mm	22	12	7,5	2,0	1,2



276SEB
4 50 003 00

140 mm
5 3/4"
70 g

Snip Nose Plier, serrated, for gripping, holding and forming wires and parts. Box-joint.



	A	B	C	b	c
mm	35	11	7,0	1,8	1,2

Description

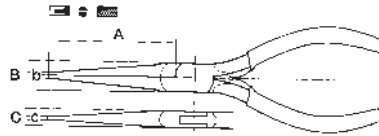
Size

Model

Long Snipe Nose Plier, oval-pointed serrated, robust but fine points for work in confined spaces. Box-joint.

170 mm
7 1/4"
100 g

280SEB
4 50 023 00

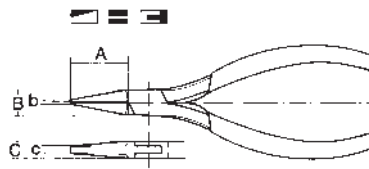


	A	B	C	b	c
mm	60	13	8,0	2,0	1,8

Flat Nose Plier, slim smooth jaws for delicate work. Box-joint.

120 mm
4 3/4"
30 g

170SEB
4 50 004 00

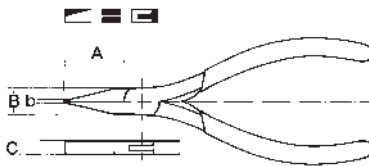


	A	B	C	b	c
mm	23	8,5	6,0	1,2	3,0

Flat Nose Plier, as 170SEB, but larger gripping surface. Box-joint.

120 mm
4 3/4"
30 g

171SEB
4 50 005 00

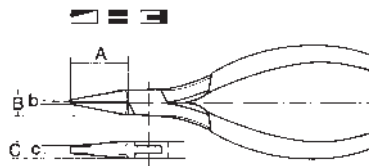


	A	B	C	b	c
mm	22	8,5	6,0	1,2	4,0

Round Nose Plier, smooth polished inside jaws for bending fine loops. Box-joint.

125 mm
5"
30 g

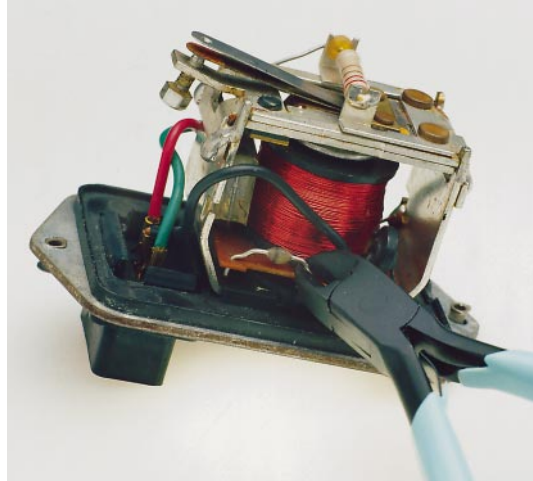
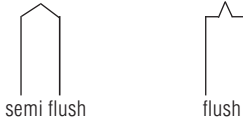
172SEB
4 50 006 00



	A	B	C	b	c
mm	19	8,5	6,0	1,6	0,8

"Superior" Electronic-Cutters.

Electronic Pliers are available with cutting edge angles that produce semi flush and flush cut. These terms refer to the amount of "pinch" left on the tip of a wire after it has been cut.



Flush cutters are used for soft wires. Semi flush cutters are used for hard wires.

Copper wire
22-30kp/mm²

Steel wire
50-60kp/mm²

Spring Wire
-180kp/mm²

Piano wire
-230kp/mm²

Model

Size

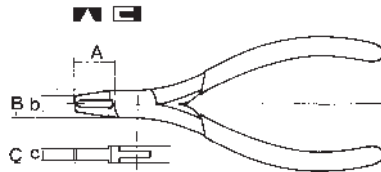
Description



166SEB
4 50 007 00

115 mm
4 1/2"
30 g

End Cutter, cutting edges extra-slim, for fine work in confined spaces. Box-joint. Cutting edge: 2,5 mm, Copper wire diameter 0,6 mm.



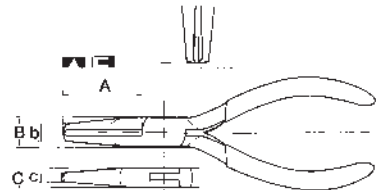
	A	B	C	b	c
mm	17	8,5	6,0	4,5	4,0



333SEB
4 50 008 00

140 mm
5 3/4"
95 g

End Cutter, semi-flush cutting edges, width 4 mm, long noses for work in confined spaces. Box-joint. Copper wire diameter 1,2 mm, diode wire 0,8 mm.



	A	B	C	b	c
mm	35	13	8,0	7,5	4,0

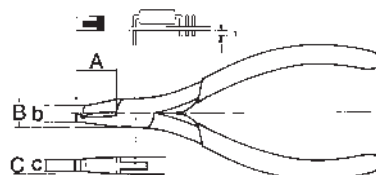


334SEB
4 50 009 00

110 mm
4 1/4"
35 g

Distance Cutting Plier, for cutting wire and pins to a distance of 1,0 mm from printed circuit board. Box-joint.

Copper wire diameter 1,0 mm. Flush-cutting.



	A	B	C	b	c
mm	15	9,0	6,0	5,0	4,0

Description

Size

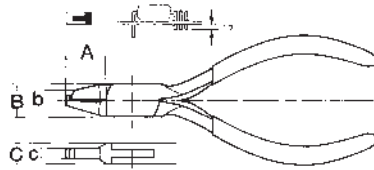
Model

Distance Cutting Plier, for cutting wire and pins to a distance of 1,3 mm from printed circuit board. Box-joint. Copper wire diameter 1,2 mm, brass-pins 1,0 mm. Flush-cutting.

126 mm
5"
80 g

335SEB
4 50 010 00

	A	B	C	b	c
mm	18	12	8,0	7,5	4,0

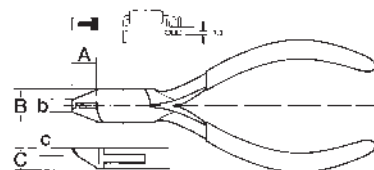


Cutting and Squeezing Plier, to cut and squeeze the wire-end also for making contact pins. Oblique cutter. Box-joint. Copper wire diameter 1,5 mm.

20 mm
4 3/4"
75 g

337SEB
4 50 011 00

	A	B	C	b	c
mm	10	12	8,0	7,5	4,0

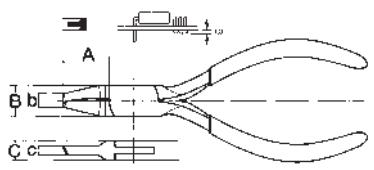


Cutting and Bending Plier, equal cutting of 1,3 mm to printed circuit board and bending to 45°. Oblique cutter. Box-joint. Copper wire 1,0 mm, diode wire 0,7 mm.

130 mm
5 1/4"
80 g

339SEB
4 50 012 00

	A	B	C	b	c
mm	20	12	8,0	6,5	4,0

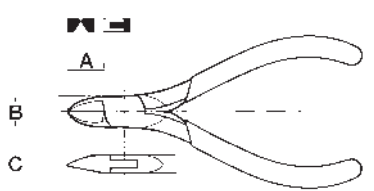


Sidecutter, robust, semi-flush cutting edges, for general use. Box-joint. Copper wire diameter 2 mm, soft steel-wire 1 mm.

130 mm
5 1/4"
90 g

419SEB
4 50 022 00

	A	B	C	b	c
mm	19	15	9,0		

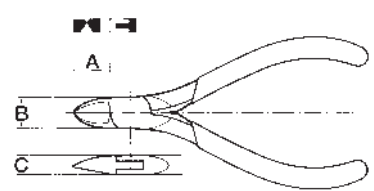


Sidecutter, most popular shape for assembly work, trimming printed circuit boards, also for radio and telephone work. Box-joint. Copper wire diameter 1,0 mm, diode wire 0,6 mm.

110 mm
4 1/4"
50 g

155SEB
4 50 013 00

	A	B	C	b	c
mm	13	12	7,0		



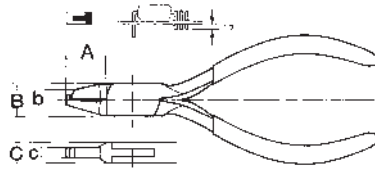


355SEB
4 50 014 00

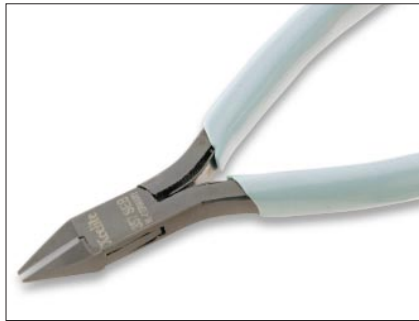
110 mm
4 1/4"
50 g

Description

Sidecutter, slim-line, fine cutting edges, for fine work. Box-joint. Copper wire diameter 1,0 mm.



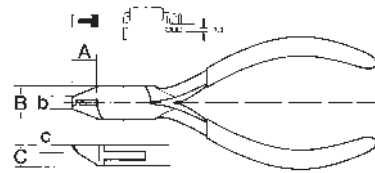
	A	B	C	b	c
mm	12	9,0	7,0		



357SEB
4 50 015 00

110 mm
4 1/4"
35 g

Side Cutter, triangular head, fine cutting edges for cutting thin wires and cutting out tiny components, even when closel packed. Box-joint. Copper wire diameter 0,9 mm.



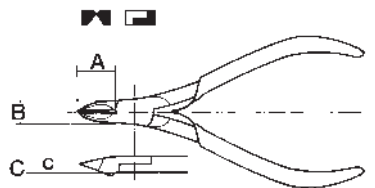
	A	B	C	b	c
mm	12	9,0	6,0	1,5	1,0



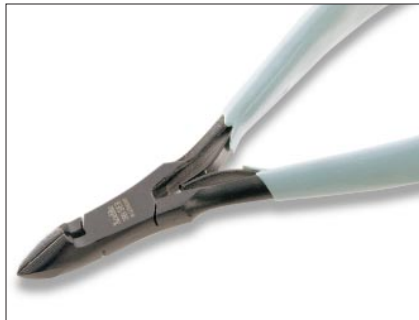
390SEB
4 50 024 00

90 mm
3 1/4"
30 g

Miniature-Sidecutter, head extra-small, only for finest work. Lap-joint, double leaf spring. Copper wire diameter 0,6 mm.



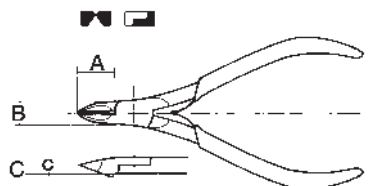
	A	B	C	b	c
mm	10	6,5	4,0		



399SEB
4 50 025 00

100 mm
4 3/4"
35 g

Miniature-Sidecutter, with small head, for fine work, especially in confined spaces. Lap-joint, double leaf spring. Copper wire diameter 0,7 mm.



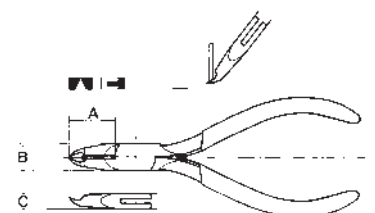
	A	B	C	b	c
mm	13	9,0	5,0	6,0	



330SEB
4 50 016 00

130 mm
5 1/4"
70 g

Oblique cutter, slim, cutting-edges bent 40°, ideal for tip-cutting on fine work. Exact guidance of cutting edges by box-joint. Copper wire diameter 1,0 mm, diode wire 0,6 mm.



	A	B	C	b	c
mm	22	11	7,0	7,5	5,0

Description

Size

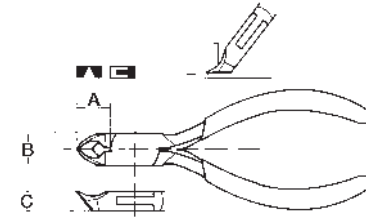
Model

Oblique Cutter, heavy pattern, full-flush cutting of heavy copper wire. Box-joint, double leaf spring. Copper wire diameter up to 1,5 mm.

120 mm
4 3/4"
70 g

331SEB
4 50 017 00

	A	B	C	b	c
mm	12	12	8,0	9,0	7,5

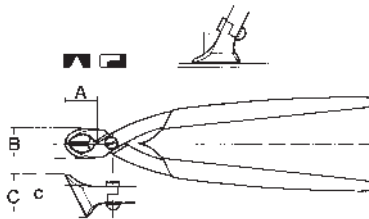


Oblique Cutter, for full flush-cutting, cutting edges extra-hard. Precision tool, screwed joint. Copper wire diameter up to 1,0 mm.

120 mm
4 3/4"
40 g

160SEB
4 50 018 00

	A	B	C	b	c
mm	18	9,0	6,0	11,0	16,0

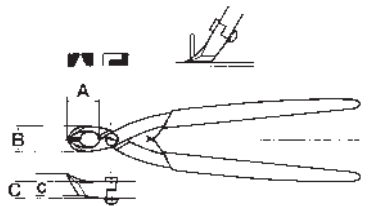


Oblique Cutter, as 160 SEB but short cutting edges, for working in confined places. Precision tool, screwed joint. Copper wire diameter up to 0,8 mm.

120 mm
4 3/4"
40 g

161SEB
4 50 019 00

	A	B	C	b	c
mm	9,0	9,0	6,0	11,5	8,5

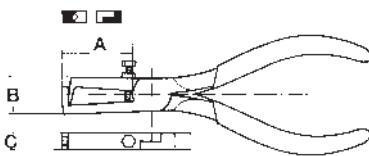


Wire Stripping Plier with adjusting screw. Lap-joint. Ideal for fine assembly work.

130 mm
5 1/4"
70 g

413SEB
4 50 020 00

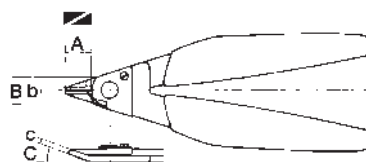
	A	B	C	b	c
mm	30	13,0	7,0	13,0	7,0



Flat Cutter, tapered nose, for fine work. With wire safety clip. Copper wire diameter 1 mm, diode wire 0,6 mm.

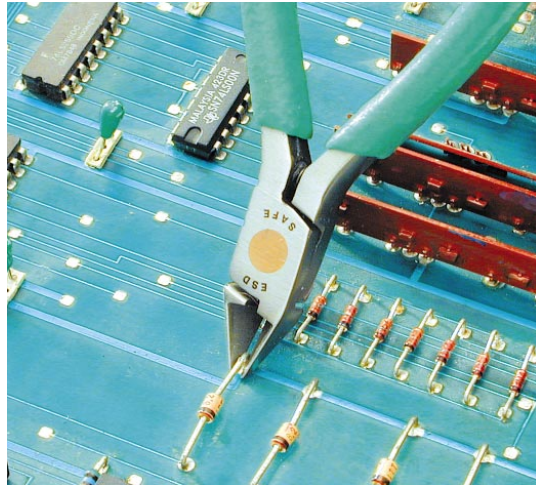
125 mm
5"

375SEB
4 50 021 00



Miniature Electronic Pliers

These small, lightweight pliers are designed primarily for holding, bending and cutting fine wires in electronic, radio, TV, electrical and even jewellery work. Equipped with comfortable, antistatic, cushioned handles, coil springs and polished head.



Model

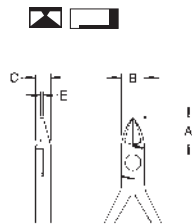
Size

Description



MS543J

100 mm
4"



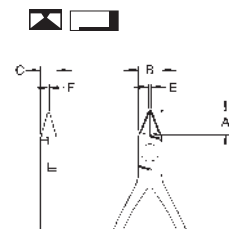
Diagonal cutting plier
Precision honed flush-edges and back clearance fine tapered nose designed for close cutting No. 24 gauge (0.020" dia.) and smaller soft copper wire.

	A	B	C	E
mm	12	11	7	1



MS545J

100 mm
4"



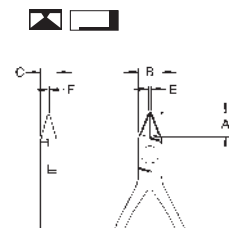
Midget full-flush cutting plier
Fine tapered nose with back taper at extreme tip. Full-flush cutting edges for cutting No. 20 gauge (.032" dia.) and smaller soft copper wire. Snap cuts at extreme tip.

	A	B	C	E
mm	10	11	7	1,5x0,9



MS545

100 mm
4"



Midget semi-flush cutting plier
Fine tapered nose with semi-flush cutting edges for cutting No. 20 gauge (.032" dia.) and smaller soft copper wire. Snap cuts at extreme tip.

	A	B	C	E
mm	10	11	7	1,5x0,9

Description

Size

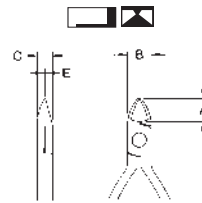
Model

Midget diagonal plier
Slim round nose design with electronically hardened edges. Most used regular small diagonal cutting plier for fine work. Will cut No. 20 gauge (.032" dia.) smaller soft copper wire.

100 mm
4"

MS54

	A	B	C	E
mm	10	11	7	0,8

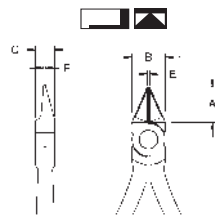


Diagonal full-flush cutting plier
Tapered nose diagonal plier with back clearance for use in confined areas. Handhoned full-flush edges with back taper at extreme tip. Heavy pattern joint for long life.

100 mm
4"

S424JS

	A	B	C	E
mm	16	15	8	1x0,8

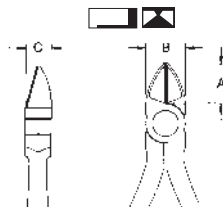


Standard diagonal plier
Small round nose diagonal cutting plier with electronically hardened edges. Primarily for general purpose cutting in the electronics industry.

112 mm
4 1/2"

S54S

	A	B	C
mm	16	15	9

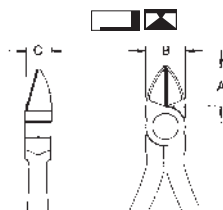


Standard diagonal plier
Small round nose diagonal cutting plier with electronically hardened edges. Primarily for general purpose cutting in the electronics industry.

125 mm
5"

S55S

	A	B	C
mm	19	15	9

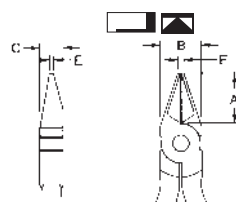


Special taper nose diagonal plier
Slim taper nose design with semi-flush cutting edges for heavy duty work in electronics industry.

125 mm
5"

S475JS

	A	B	C
mm	19	15	10





Model

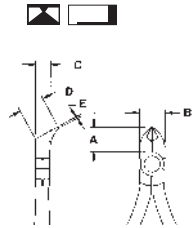
GA54CJ

Size

100 mm
4"

Description

Oblique plier angled. Flush edges, polished oval joint. These pliers are for snap cutting No. 20 gauge (.032") and smaller soft copper wire. Back of pliers is angled at 30° for cutting in difficult areas.



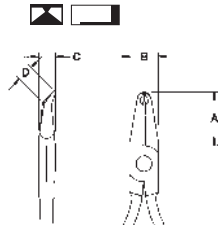
	A	B	C	D	E
mm	11	11	7	11	0,8



LC665CJ

112 mm
4 1/2"

Short nose tip cutting plier 30° angle tip cutter with semi-flush edge for cutting in restricted areas in electronic components and for trimming printed circuit boards.



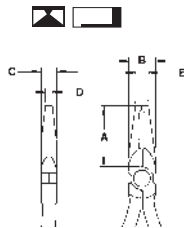
	A	B	C	D
mm	23	13	7	6



EC54CJ

112 mm
4 1/2"

Vertical tip cutting plier Has precision transverse semi-flush cutting edges. They are ideal for use in restricted areas on electronic component work.



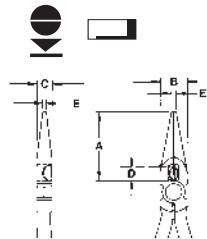
	A	B	C	D	E
mm	25	11	7	3	5



SN55

138 mm
5 1/2"

Long chain nose with side cutter plier Spring tempered fine serrated jaws with hardened jaw surfaces and electronically hardened cutter edges.



	A	B	C	D	E
mm	43	14	7	10	2x1,6

Description

Size

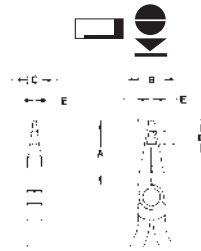
Model

Cutting and looping plier
For cutting and forming wire. Cutter near tip for cutting No. 20-gauge (.032") and smaller soft copper wire.

138 mm
5 1/2"

TC55

	A	B	C	D	E
mm	32	14	7	6,4	2,4x1,6

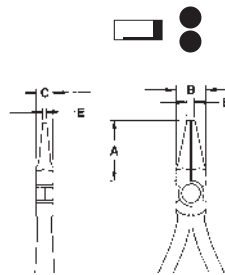


Round nose wire loop plier
Both sides of nose are carefully rounded, precision ground to small point. Excellent for looping and forming fine wire.

113 mm
4 1/2"

RN54

	A	B	C	E
mm	22	11	7	3x1,6

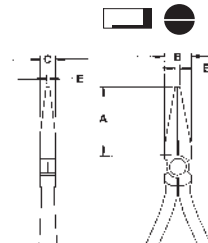


Midget chain nose plier
Slim streamlined pliers with fine serrations or smooth jaws plus slightly bevelled inside edges. Excellent for subminiature electronic assembly work.

125 mm
5"

LN54

	A	B	C	E
mm	30	11	7	2 x 1,6

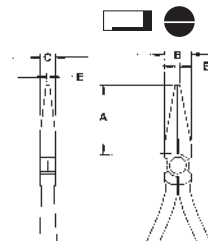


Midget chain nose plier
Slim streamlined pliers with fine serrations or smooth jaws plus slightly bevelled inside edges. Excellent for subminiature electronic assembly work.

125 mm
5"

LN54CG

	A	B	C	E
mm	30	11	7	2 x 1,6

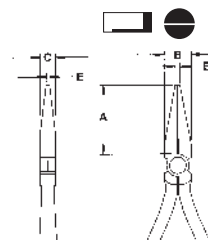


Long chain nose plier
Spring tempered, fine serrated jaws with slightly bevelled inside edges are specially designed for gripping small wire and components.

138 mm
5 1/2"

LN55

	A	B	C	E
mm	43	14	7	2x1,6



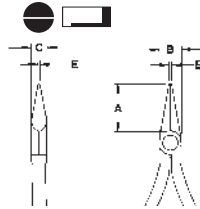


L4

100 mm
4"

Description

Short needle nose plier
This plier is specifically designed for fine, close electrical and mechanical work.



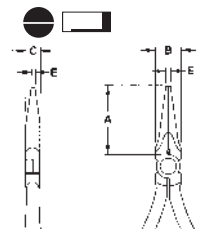
	A	B	C	E
mm	21	10	7	1,2 x 0,8



NN54G

125 mm
5"

Extra thin long needle nose plier
Spring-tempered jaws, precision machined to a fine 3/64" x 1/16" point. Plain jaws. Slightly bevelled inside edges.



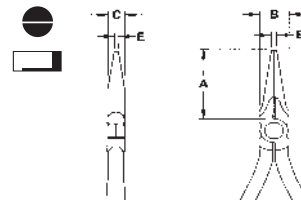
	A	B	C	E
mm	30	11	7	2 x 1,6



LN775-5 1/2

138 mm
5 1/2"

Very fine needle nose plier
Fine serrations on jaws. 1 13/16" nose length. Slightly bevelled inside edges.



	A	B	C	E
mm	45	12	6	1,5 x 1,5

N777-6C

150 mm
6"

	A	B	C	E
mm	35	12	6	1,5 x 1,5

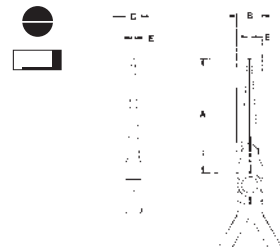


LN774-5 1/2

138 mm
5 1/2"

Needle nose plier with alignment pin.

Very fine lightweight long needle nose pliers. Has finely serrated jaws with an added alignment pin to prevent twist-off when gripping and twisting.



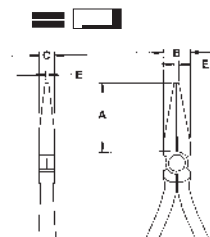
	A	B	C	E
mm	45	12	6	1,5 x 1,5



DN54CG

125 mm
5"

Short flat nose plier for delicate work. No serrations.



	A	B	C	E
mm	30	11	7	2 x 3,6

Pliers

Description

Bent thin plier with fine serrated jaws.
60° angle.

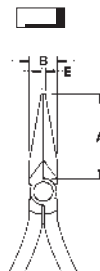
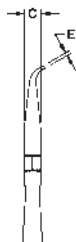
Size

125 mm
5"

Model

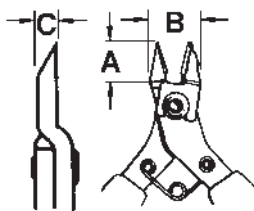
CN255

	A	B	C	E
mm	31	11	7	1



Stainless Diagonal Cutting Plier

Stainless steel diagonal cutting-plier
Precision machine ground flush cutting
edges. Has back clearance,
patented handle spring.
These pliers are for cutting soft non-
ferrous wire (.083" max. as specified
and 25 gauge (.018") and smaller soft
steel wire.



	A	B	C
mm	9	12	6

114 mm
4 1/2"

113CG

	A	B	C
mm	13	3	6

127 mm
5"

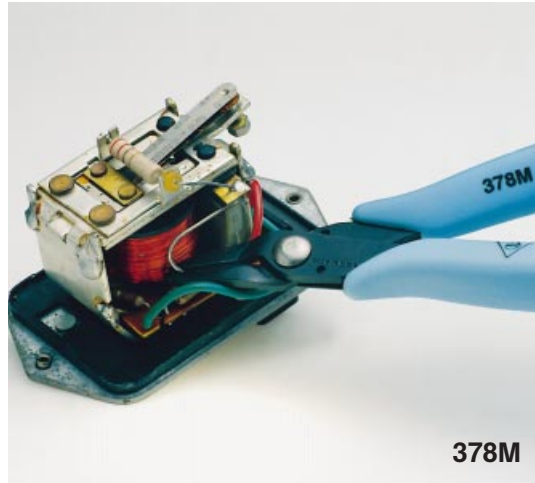
115CG

	A	B	C
mm	8	12	6

100 mm
4"

117CG

Electronic Cutters and -Forming Pliers



378M



170D

Model	Size	Description										
170M	127 mm 5"	Micro-shear with green handles positive spring action. Cutting capacity copper wire to 0.8 mm diameter.										
		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>19</td> <td>9</td> <td>13</td> <td>2</td> </tr> </tbody> </table>		A	B	C	D	mm	19	9	13	2
	A	B	C	D								
mm	19	9	13	2								
170D	127 mm 5"	Cutting shear antistatic. Cutting copper wire to 0,8 mm diameter.										
		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>19</td> <td>9</td> <td>13</td> <td>2</td> </tr> </tbody> </table>		A	B	C	D	mm	19	9	13	2
	A	B	C	D								
mm	19	9	13	2								
175M	127 mm 5"	Micro-shear with blue handle, as above, but with clip-grip. Cutting copper wire to 0,8 mm diameter.										
		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>19</td> <td>9</td> <td>13</td> <td>2</td> </tr> </tbody> </table>		A	B	C	D	mm	19	9	13	2
	A	B	C	D								
mm	19	9	13	2								
175D	127 mm 5"	Cutting shear with clip-Grip, anti-static. Cutting copper wire to 0,8 mm diameter.										
		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>19</td> <td>9</td> <td>13</td> <td>2</td> </tr> </tbody> </table>		A	B	C	D	mm	19	9	13	2
	A	B	C	D								
mm	19	9	13	2								

Description

Size

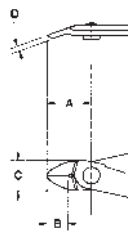
Model

Cutting shear with blue handle. Cutting capacity copper wire max. 1,6 mm dia.

143 mm
5⁵/₈"

1178M

	A	B	C	D
mm	23	10	14	3

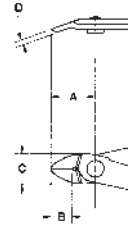


Cutting shear with dissipative handles. Cutting capacity copper wire max. 1,6 mm diameter.

143 mm
5⁵/₈"

1178D

	A	B	C	D
mm	23	10	14	3

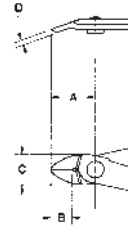


Cutting shear with Clip-Grip and blue handles. Cutting capacity copper wire max. 1,6 mm diameter.

143 mm
5⁵/₈"

2178M

	A	B	C	D
mm	23	10	14	3

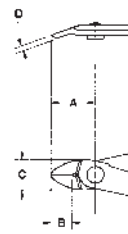


Cutting shear with Clip-Grip and dissipative handles, antistatic. Cutting capacity copper wire max. 1,6 mm diameter.

143 mm
5⁵/₈"

2178D

	A	B	C	D
mm	23	10	14	3



Micro series shearcutter - 75° angle for natural cutting position, allows easier cutting in tight spaces, provides superior sight lines,
75M features green grips
75D features black grips,
antistatic.

138 mm
5⁷/₁₆"

75M

138 mm
5⁷/₁₆"

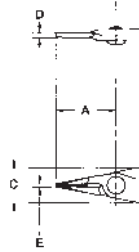
75D

	A	B	C	D
mm	19	8	13	2





Model	Size	Description
378M	140 mm 5 1/2"	Serrated jaw plier. Black handles.

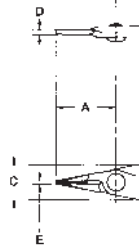


	A	C	D	E
mm	32	14	3	1,2

378D	140 mm 5 1/2"	Serrated jaw plier. Black handles. Antistatic.
-------------	------------------	---

	A	C	D	E
mm	32	14	3	1,2

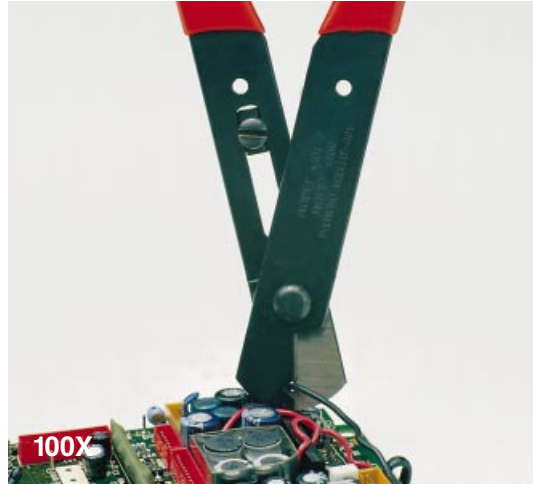
378SMM	140 mm 5 1/2"	Smooth jaw plier. Blue handles.
---------------	------------------	---------------------------------



	A	C	D	E
mm	32	14	3	1,2

378SMD	140 mm 5 1/2"	Smooth jaw plier. Black handles. Antistatic.
---------------	------------------	---

	A	C	D	E
mm	32	14	3	1,2



Electronic Snippers and Wire Strippers

Description

Size

Model

Electronic Snipper, for light sheet metal and circuit board material

165 mm
6 1/2"

86CG



Wire Stripper and Cutter.
Adjustable for different wire sizes.

127 mm
5"

100X



Specification same as 100X,
except with opening spring.

127 mm
5"

101S



De luxe-Wire Stripper,
very handy.

140 mm
5 1/2"

102S

Cam stop adjustment for different
wire sizes.

133 mm
5 1/4"

103S



Screwdrivers ESD safe

Precision screwdrivers for the electronics service. The screwdrivers feature a superior overall design for maximum control, accuracy and durability.

- Fast - turning swivel caps with canity for precise centering.
- Precision tolerance black tips
- No - roll handle design
- Chrome - molybdenum vanadium steel blades

Model Order-No.	Blade- diameter mm	Blade- length mm	Std.- Pack.	Order-No
--------------------	--------------------------	------------------------	----------------	----------

Screwdrivers for slotted screws

XP1550ESD	11,5	50	6	4 22 100 99
XP2065ESD	2,0	65	6	4 22 101 99
XP2575ESD	2,5	75	6	4 22 102 99
XP25100ESD	2,5	150	6	4 22 103 99
XP25200ESD	2,5	200	6	4 22 104 99
XP30100ESD	3,0	100	6	4 22 105 99
XP30150ESD	3,0	150	6	4 22 106 99
XP30200ESD	3,0	200	6	4 22 107 99
XP35100ESD	3,5	100	6	4 22 108 99
XP35150ESD	3,5	150	6	4 22 109 99
XP35250ESD	3,5	250	6	4 22 110 99
XP40100ESD	4,0	100	6	4 22 111 99
XP40150ESD	4,0	150	6	4 22 112 99
XP40200ESD	4,0	200	6	4 22 113 99

Phillips

XPPH00060ESD	Phillips 000	60	6	4 22 114 99
XPPH0060ESD	Phillips 00	60	6	4 22 115 99
XPPH060ESD	Phillips 0	60	6	4 22 116 99
XPPH180ESD	Phillips 1	80	6	4 22 117 99
XPPH1150ESD	Phillips 2	150	6	4 22 118 99

Screwdrivers for slotted screws with fixed handle



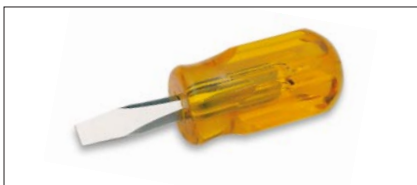
Round Blade Pocket Clip Style

Model/ Order-No.	Blade- Dia. mm	Blade- Length mm	Handle- Dims. mm	Overall- length mm	Std.- Pack.
R3322	2,4	51	13 x 57	107	12
R3323	2,4	76	13 x 57	133	12
R3324	2,4	102	13 x 57	159	12
R181	3,2	51	13 x 57	107	12
R183	3,2	76	13 x 57	133	12



Regular

R182	3,2	51	22 x 67	117	6
R184	3,2	102	22 x 67	168	6
R186	3,2	152	22 x 67	219	6
R188	3,2	203	22 x 67	270	6
R1810	3,2	254	22 x 67	321	6
R5323	4,0	76	25 x 92	143	6
R5324	4,0	102	25 x 92	168	6
R5325	4,0	127	25 x 92	194	6
R5328	4,0	203	25 x 92	270	6
R3163	4,8	76	25 x 92	168	6
R3164	4,8	102	25 x 92	194	6
R3166	4,8	152	25 x 92	244	6
R3168	4,8	203	25 x 92	295	6
R31610	4,8	254	25 x 92	346	6
R144	6,4	102	29 x 105	206	6



Square Blade Stubby

Model/ Order-No.	Blade- Dia. mm	Blade- Length mm	Handle- Dims. mm	Overall length mm	Std.- Pack.
S141	6,4	32	32 x 51	83	6



Regular

S3166	4,8	152	25 x 92	244	6
S51610	7,9	254	32 x 114	368	6



Screwdrivers for Phillips head screws with handle



Phillips Screwdrivers Pocket Clip Style

Model/ Order-No.	Blade- Dia. mm	Blade- Length mm	Handle- Dims. mm	Overall- length mm	Point- Size Phillips- No.	Std. Pack
P12S		3,2	51	13 x 57	108	6



Stubby

SX101	4,8	37	3 x 38	75	1	6
SX102	6,4	33	5 x 50	84	2	6



Regular

X100	3,2	51	22 x 67	117	0	6
X101	4,8	76	25 x 92	168	1	6
X102	6,4	102	29 x 105	219	2	6
X103	7,9	152	32 x 114	164	3	6
X104	9,5	203	32 x 114	317	4	6





Extra long

Model/ Order-No.	Phillips- Nr.	Blade- Dia.	Blade- Length	Handle- Dims.	Overall- length	Std.- Pack.
		mm	mm	mm	mm	
X108	1	4,8	152	25 x 92	244	6
X1010	1	4,8	254	25 x 79	346	6
X1020	2	6,4	254	29 x 105	359	6



Super-Tru-Tip

Chrome-nickel blades are specially hardened

XST100	0	3,2	51	22 x 67	117	6
XST101	1	4,8	76	15 x 92	168	6
XST102	2	6,4	102	25 x 105	206	6
XST1010	1	4,8	254	25 x 92	346	6
XST1020	2	6,4	254	29 x 117	359	6



Screwdriver
Special Heads

Frearson (Reed & Prince)

Model/ Order-No.	Blade- Length mm	Overall- length mm	Point- size	Std.- Pack.
RP101	76	168	1	6
RP102	102	206	2	6



Torx 

XTD6	76	168	T-6	6
XTD8	76	168	T-8	6
XTD8XL	248	340	T-8	6
XTD10	76	168	T-10	6
XTD10XL	248	340	T-10	6
XTD15	76	168	T-15	6
XTD15XL	248	340	T-15	6
XTD20	76	168	T-20	6
XTD25	76	168	T-25	6
XTD27	105	220	T-27	6
XTD30	105	220	T-30	6



Screwdriver Sets



Model Description

SDS44 Screwdriver set with square blade screwdrivers

Contents:

Model/ Order-No.	Blade- Dia. mm	Blade- Length mm	Overall- length mm
S141	6,4	32	83
S3164	4,8	102	194
S144	6,4	102	206
S5166	7,9	152	216
S388	9,5	203	317



SRX33 Screwdriver set with round blade for slotted screws.

Contents:

R184	3,2	102	168
R3166	4,8	152	244
R144	6,4	102	206
R5166	7,9	152	267
X101	Phillips No. 1		168
X102	Phillips No. 2		219

Description

Screwdriver set with round blade screwdrivers.

Contents:

Model/ Order-No.	Blade- Dia. mm	Blade- Length mm	Overall- length mm
R182	3,2	51	117
R5324	4	102	168
R3166	4,8	152	244
R144	6,4	102	206
R5166	7,9	152	267

Screwdrivers for Phillips head screws

Contents:

X100	Phillips No. 0	51	117
X101	Phillips No. 1	76	168
X102	Phillips No. 2	102	219
X103	Phillips No. 3	152	164
SX102	Phillips No. 1	37	75

Screwdrivers set for Phillips Super-Tru

Contents:

XST100	Phillips No. 0	51	117
XST101	Phillips No. 1	76	168
XST102	Phillips No. 2	102	206

Screwdrivers set for Phillips head screw with Super-Tru.

Contents:

XST100	Phillips No. 0	51	117
XST101	Phillips No. 1	76	168
XST102	Phillips No. 2	102	206
XST1010	Phillips No. 1	254	346
XST1020	Phillips No. 2	254	359

Screwdrivers set, Pocket Clip style
1x Phillips, 2 x slotted screwdrivers.

Contents:

P12S	Phillips No. 0	51	108
R181	3,2	51	107
R3322	2,4	51	107

Model

SDR11



SDX22



XST3



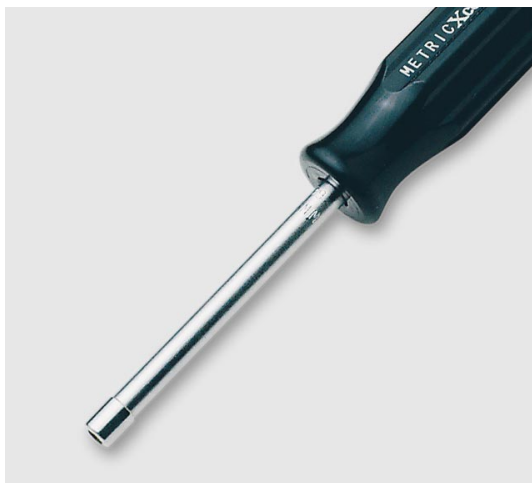
XST5



SD3V



Hex Nutdrivers with handle



Description



Fixed Handle Nutdrivers, metric with hollow shaft

Model/ Order-No.	Hex opening (hollow shaft) mm	Length mm	Overall- length mm	Std.- Pack.
4MM	4	76	156	6
4.5MM	4,5	76	156	6
5MM	5	76	156	6
5.5MM	5,5	76	156	6
6MM	6	76	156	6
7MM	7	76	156	6
8MM	8	76	156	6
9MM	9	76	156	6
10MM	10	73	178	6
11MM	11	73	178	6
12MM	12	79 / 3 1/8	184	6
13MM	13	79 / 3 1/8	184	6



Nutdriver Sets



Contents

Nutdriver set, Allen hex socket type
(Inch sizes).

Model/ Order-No.	Hex-opening (hollow shaft) "	Blade- Length " / mm	Overall- length " / mm
6	3/16	3 / 76	6 1/8 / 156
7	7/32	3 / 76	6 1/8 / 156
8	1/4	3 / 76	6 1/8 / 156
9	9/32	3 / 76	6 1/8 / 156
10	5/16	3 / 76	6 1/8 / 156
11	11/32	3 / 76	6 1/8 / 156
12	3/8	3 / 76	6 1/8 / 156

Nutdriver set, Allen hex socket type
(Inch sizes).

Model/ Order-No.	Hex-opening (hollow shaft) "	Blade- Length " / mm	Overall- length " / mm
HS8	1/4	3 1/8 / 79	7 1/4 / 184
HS9	9/32	3 1/8 / 79	7 1/4 / 184
HS10	5/16	3 1/8 / 79	7 1/4 / 184
HS11	11/32	3 1/8 / 79	7 1/4 / 184
HS12	3/8	3 1/8 / 79	7 1/4 / 184
HS14	7/16	3 1/8 / 79	7 1/4 / 184
HS16	1/2	3 1/8 / 79	7 1/4 / 184

Model

127TB



147TB



Model **Description**

157 Nutdriver set, Allen hex socket type (Inch sized).

Model/ Order-No.	Hex-opening (hollow shaft)	Blade- Length " / mm	Overall- length " / mm
6	3/16	3 / 76	6 1/8 / 156
8	1/16	3 / 76	6 1/8 / 156
10	5/16	3 / 76	6 1/8 / 156
11	11/16	3 / 76	6 1/8 / 156
12	3/16	3 / 76	6 1/8 / 156
14	7/16	2 7/8 / 73	7 / 178
16	1/16	2 7/8 / 73	7 / 178

177 Nutdriver set, Allen hex socket type (Inch sized).

HS6	3/16	3 1/8 / 79	6 1/4 / 159
HS8	1/4	3 1/8 / 79	7 1/4 / 184
HS10	5/16	3 1/8 / 79	7 1/4 / 184
HS11	11/32	3 1/8 / 79	7 1/4 / 184
HS12	3/8	3 1/8 / 79	7 1/4 / 184
HS14	7/16	3 1/8 / 79	7 1/4 / 184
HS16	1/2	3 1/8 / 79	7 1/4 / 184



HS618 Nutdriver set, Allen hex socket type (Inch sized).

HS6	3/16	3 1/8 / 79	6 1/4 / 159
HS7	7/32	3 1/8 / 79	6 1/4 / 159
HS8	1/4	3 1/8 / 79	7 1/4 / 184
HS9	9/32	3 1/8 / 79	7 1/4 / 184
HS10	5/16	3 1/8 / 79	7 1/4 / 184
HS11	11/32	3 1/8 / 79	7 1/4 / 184
HS12	3/8	3 1/8 / 79	7 1/4 / 184
HS14	7/16	3 1/8 / 79	7 1/4 / 184
HS16	1/2	3 1/8 / 79	7 1/4 / 184
HS18	9/16	3 1/8 / 79	7 1/4 / 184

413 MM Nutdriver set, Allen hex socket type (metric).

4 MM	4 mm	76 mm	156 mm
4,5 MM	4,5 mm	76 mm	156 mm
5 MM	5 mm	76 mm	156 mm
5,5 MM	5,5 mm	76 mm	156 mm
6 MM	6 mm	76 mm	156 mm
7 MM	7 mm	76 mm	156 mm
8 MM	8 mm	76 mm	156 mm
10 MM	10 mm	73 mm	178 mm
11 MM	11 mm	73 mm	178 mm
13 MM	13 mm	79 mm	184 mm



Combinations

Description

Model

Plastic View kits with handle and reversible blades

Zipper case with RB 1, RB 2 blades and handle No. 25

CK20

Zipper case with RB 1, RB 2, RB 3 blades and handle No. 25

CK23

Rollkit with RB 1, RB 2, RB 3 and handle No. 25

CK3

Combination Handle
Regular
Dimensions: 24 x 105 mm

25

Reversible Blades, suitable for combination handle,

Phillips No. 1 / 4,75 slotted,
Length: 159 mm

RB1

Phillips No. 2 / 6,35 slotted,
Length: 159 mm

RB2

Phillips No. 3 / 7,93 slotted,
Length: 159 mm

RB3



Model

Description



600

4-way pocket tool

Contents:

- Nutdriver, allen hex socket type, handle-integrated
7 1/6 / 11,1 mm
- 1/4 / 6,4 mm
- screwdriver and Phillips head



FSD1

Four in one screwdriver

Contents:

- for Slotted screws
3/16 / 4,8 mm
- 1/4 / 6,4 mm
- Phillips heads No. 1 and No. 2

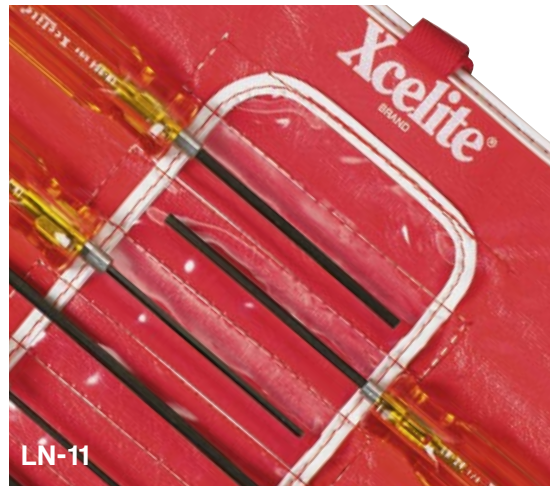


TSD1V

Two in one screwdriver

Contents:

- for Slotted screw
3/16 / 4,8 mm
- Phillips No. 1



Allen hex type
screwdrivers
with handle
(LN-series)



Description

Set of LN-series Allen Hex Type Screwdrivers
(Inches)
Contains LN20 to LN28

Single tools of set LN11.
Allen hex types with handle.
Inches.

Model Order- No.	Blade- ø in / mm	Blade- length in / mm	Handle- Dimensions in	Overall- length in / mm	Std. Pack.
LN20	.050 / 1,27	4 / 102	7/8 x 2 5/8	6 5/8 / 168	6
LN21	1/16 / 1,59	4 / 102	7/8 x 2 5/8	6 5/8 / 168	6
LN22	5/64 / 1,98	4 / 102	7/8 x 2 5/8	6 5/8 / 168	6
LN23	3/32 / 2,38	4 / 102	1 1/16 x 3 1/8	7 1/8 / 181	6
LN764	7/64 / 2,78	4 / 102	1 1/16 x 3 1/8	6 5/8 / 168	6
LN24	1/8 / 3,18	4 / 102	1 1/16 x 3 1/8	6 5/8 / 168	6
LN964	9/64 / 3,57	4 / 102	1 1/16 x 3 1/8	6 5/8 / 168	6
LN25	5/32 / 3,97	6 / 152	1 x 3 1/8	9 1/8 / 232	6
LN26	3/16 / 4,76	6 / 152	1 1/8 x 4 1/8	10 1/8 / 257	6
LN27	7/32 / 5,56	6 / 152	1 1/8 x 4 1/8	10 1/8 / 257	6
LN28	1/4 / 6,35	6 / 152	1 1/8 x 4 1/8	10 1/8 / 257	6

Model

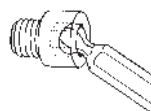
LN11



Description

Metric Fixed Handle Ballpoint.
Allen hex Screwdriver Roll-up kit Set of 8 drivers.
Contains LN127MMBP thru LN6MMBP

Model

LN8MMBP

Single tools of set LN8 MMBP. Metric Ballpoint Allen hex screwdrivers with handle:

Model/ Order-No.	Blade- length mm	Handle- Dimensions mm / "	Overall- length mm / "	Point- Size mm	Std.- Pack.
LN127MMBP	102	22 x 67	168	1.27	6
LN15MMBP	102	22 x 67	168	1.5	6
LN2MMBP	102	22 x 67	168	2.0	6
LN25MMBP	102	26 x 79	181	2.5	6
LN3MMBP	102	26 x 79	181	3.0	6
LN4MMBP	102	26 x 79	181	4.0	6
LN5MMBP	102	26 x 79	181	5.0	6
LN6MMBP	102	26 x 79	181	6.0	6

Screwdriver and Nutdriver Sets with torque amplifier handle



Model

PS 88

Description

Screwdriver Set for slotted screws (Inches).



Contents:

Model/ Order-No.	Blade- Dia. " / mm	Overall- Length " / mm
P3321	3/32 / 2,38	3 1/2 / 89
P181	1/32 / 2,38	3 1/2 / 89
P5321	5/32 / 2,38	3 1/2 / 89
P3161	3/32 / 2,38	3 1/2 / 89
P141	1/32 / 2,38	3 1/2 / 89
P0	Phillips No. 0	3 1/2 / 89
P1	Phillips No. 1	3 1/2 / 89
P2	Phillips No. 2	3 1/2 / 89
TA2	Amplifier handle	3 1/2 / 89



PS 89

Screwdriver Set for Hex Socket Screws (Inches).




Contents:

P18	.028 / 0,71	3 1/2 / 89
P19	.035 / 0,89	3 1/2 / 89
P20	.050 / 1,27	3 1/2 / 89
P21	1/16 / 1,59	3 1/2 / 89
P22	5/64 / 1,98	3 1/2 / 89
P23	3/32 / 2,38	3 1/2 / 89
P764	7/64 / 2,78	3 1/2 / 89
P24	1/8 / 3,18	3 1/2 / 89
TA2	Amplifier handle	3 1/2 / 89

Description

Model


Metric Compact Convertible Hex Socket Screwdriver Set 

PS90 MM

Contents:

Model/ Order-No.	Blade- Dia. " / mm	Overall- Length " / mm
P71	.050 / 1,27	3 1/2 / 89
P72	1/16 / 1,5	3 1/2 / 89
P73	.035 / 0,89	3 1/2 / 89
P74	.098 / 2,5	3 1/2 / 89
P75	.118 / 3,0	3 1/2 / 89
P76	.157 / 4,0	3 1/2 / 89
P77	.197 / 5,0	3 1/2 / 89
P78	.035 / 0,89	3 1/2 / 89
TA2	Amplifier handle	3 1/2 / 89



Nutdriver Set (Inches) 

PS120

Contents:

Model/ Order-No.	Blade- Dia. " / mm	Overall- Length " / mm
P3	3/32 / 2,38	3 1/2 / 89
P4	1/8 / 3,18	3 1/2 / 89
P5	5/32 / 3,97	3 1/2 / 89
P6	3/16 / 4,76	3 1/2 / 89
P7	7/32 / 5,56	3 1/2 / 89
P8	1/4 / 6,35	3 1/2 / 89
P9	9/32 / 7,14	3 1/2 / 89
P10	5/16 / 7,94	3 1/2 / 89
P11	11/32 / 8,73	3 1/2 / 89
P12	3/8 / 9,53	3 1/2 / 89
TA2	Amplifier handle	3 1/2 / 89



Metric Compact Convertible Nutdriver Set 

PS121MM

Contents:

Model/ Order-No.	Blade- Dia. " / mm	Overall- Length " / mm
P3 MM	0.118 / 3	3 1/2 / 89
P35 MM	0.138 / 3,5	3 1/2 / 89
P4 MM	0.157 / 4	3 1/2 / 89
P45 MM	0.177 / 4,5	3 1/2 / 89
P5 MM	0.197 / 5	3 1/2 / 89
P55 MM	0.217 / 5,5	3 1/2 / 89
P6 MM	0.236 / 6	3 1/2 / 89
P7 MM	0.276 / 7	3 1/2 / 89
P8 MM	0.315 / 8	3 1/2 / 89
P10 MM	0.394 / 10	3 1/2 / 89
TA2	Amplifier handle	3 1/2 / 89





Model

Description

PS7

Screwdriver / Nutdriver set (Inches).



Contents:

Model/ Order-No.	Blade- Dia. "/ mm	Overall- Length "/ mm
---------------------	-------------------------	-----------------------------

Screwdrivers

P3161	3/16 / 4,76	3 1/2 / 89
P3321	3/32 / 2,38	3 1/2 / 89
P0	Phillips No. 0	
P1	Phillips No. 1	

Nutdrivers

P8	1/4 / 6,35	3 1/2 / 89
P10	5/16 / 7,94	3 1/2 / 89
TA2	Amplifier handle	



PS130

Screwdriver / Nutdriver Set (Inches).



Contents:

Screwdrivers

P1	Phillips No. 1	3 1/2 / 89
P2	Phillips No. 2	3 1/2 / 89
P181	1/8 / 3,18	3 1/2 / 89
P3161	3/16 / 4,76	3 1/2 / 89
P141	1/4 / 6,35	3 1/2 / 89

Nutdrivers

P6	3/16 / 4,76	3 1/2 / 89
P8	1/4 / 4,76	3 1/2 / 89
P10	5/16 / 4,76	3 1/2 / 89
P11	11/32 / 4,76	3 1/2 / 89
P12	3/8 / 4,76	3 1/2 / 89
TA2	Amplifier handle	3 1/2 / 89



M60

Mini-Screwdriver Set for slotted screws and Phillips



Contents:

M00	Phillips No. 0	2 1/8 / 54
M01	1.04 / 1,02	2 1/8 / 54
M02	.055 / 1,02	2 1/8 / 54
M03	.07 / 1,02	2 1/8 / 54
M04	.08 / 1,02	2 1/8 / 54
M05	.10 / 1,02	2 1/8 / 54
TA2	Amplifier handle	2 1/8 / 54

Service Kits and Sets



Description

Model

Tool-Set in Roll-up kit (Inches).

99SM

Contents:



Model/ Order-No.	Description	Length "/ mm
52CG	Long nose plier	
55CG	Diagonal plier	
46CG	Adjustable wrench	
991	Regular Handle	
993	Stubby handle	

Inserts (Hex Nutdrivers, Inches):

996	3/16 / 4,76
997	7/32 / 5,57
998	1/4 / 6,35
99S8	1/4 / 6,35 Stubby
999	9/32 / 7,14
9910	5/16 / 7,94
99S10	5/16 / 7,94 Stubby
9911	11/32 / 8,73
9912	3/8 / 9,53
99S12	3/8 / 9,53 Stubby
9914	7/16 / 11,12
9916	1/2 / 12,7

Phillips Screwdrivers:

99821	No. 1
99822	No. 2

Screwdrivers, slotted:

99811	3/16 / 4,76
99250	1/4 / 6,35

Reamer:

9938	4" / 102 mm	1/8x3/8 / 3,18x9,56
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Adapter:

99X10	7 / 178
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Model

Description



99SMX

Tool-Set in plastic fold-up case
Equipment same as 99SM, see page 341



99PR

Roll-kit

Contents:

Model/ Order-No.	Description	Length "/ mm
991	Regular Handle	

Inserts (Hex Nutdrivers, Inches);

996	3/16 / 4,76
997	7/32 / 5,57
998	1/4 / 6,35
999	9/32 / 7,14
9910	5/16 / 7,94
9911	11/32 / 8,73
9912	3/8 / 9,53
9914	7/16 / 11,12
9916	1/2 / 12,7

Screwdrivers, slotted

99811	3/16 / 4,76
99250	1/4 / 6,35

Phillips Screwdrivers

99821	No. 1
99822	No. 2

Description

Model

Multi-purpose Tool kit

99MP

Contents:

Model/ Order-No.	Description	Length " / mm
991	Regular handle	
994	T-Handle	

Inserts

Hex Nutdrivers, Inches:		Hex opening
996		3/16 / 4,76
997		7/32 / 5,57
998		1/4 / 6,35
998M	magnetic	
999		9/32 / 7,14
9910		5/16 / 7,9
9911		11/32 / 8,73
9912		3/8 / 9,53
9914		7/16 / 11,2
9916		1/2 / 12,7

Screwdrivers, Allen hex type, Inches:

9920	-050 / 12,7
9921	1/16 / 1,59
9922	5/64 / 1,99
9923	3/32 / 2,38
99764	7/64 / 2,78
9924	1/8 / 3,18
99964	9/64 / 3,57
9925	5/32 / 3,97
9926	3/16 / 4,76

Screwdrivers "Bristol" - Multiple Splines 6 flute:

9961	.048 / 1,22
9962	.060 / 1,52
9963	4 flute .069 / 1,75
9964	.072 / 1,83
9965	4 flute .076 / 1,93
9966	.096 / 2,43
9967	.111 / 2,81
9968	.145 / 3,68
9969	.183 / 4,65

Screwdrivers, slotted:

99125	1/8 / 3,18
99811	3/16 / 4,76
99250	1/4 / 6,35
99312	5/16 / 7,94

Phillips Screwdrivers:

99820	No. 0
99821	No. 1
99822	No. 2

Reamer

9938	3,18x9,56 mm / 1/8x3/8"	L	4 / 102
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Adapter

99X5		L	4 / 102
------	--	---	---------



Equipment same as 99MP,
but synthetic material case.

99MPX



Model		Description
99SPC		Personal-Computer-Service-Set

Contents:

Model/ Order-No.	Description	Length " / mm
---------------------	-------------	------------------

991	Regular handle	
-----	----------------	--

Inserts

Phillips Screwdrivers

99820	No. 0	
99821	No. 1	

Screwdrivers, slotted

99811		3/16 / 4,76
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Torx-Blades

9910XTD	Torx-Blade No. 10	
9915XTD	Torx-Blade No. 15	

Hex Nutdrivers, Inches:

996		3/16 / 4,76
998		1/4 / 6,35

E1	IC-Inserter	
X1	IC-Extractor	
T1	Tweezer	
R1	Gripping tool	



99SL	Tool-Set Scrulox	
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Contents:

991	Regular handle	
-----	----------------	--

Inserts Scrulox:

99SL0	Scrulox 0	
99SL1	Scrulox 1	
99SL2	Scrulox 2	
99SL3	Scrulox 3	

For Screwdriver

99250		1/4 / 6,35
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Description

Model

Allen Hex Type Screwdrivers (Inches)



99PS40



Contents:

Model/ Order-No.	Description	Length " / mm
991	Regular handle	
99X5	Extension	4 / 102

Inserts

Allen Hex Type Screwdrivers, Inches:

9920	.050 / 1,27
9921	1/16 / 1,59
9922	5/64 / 1,99
9923	3/32 / 2,38
99764	7/64 / 2,78
9924	1/8 / 3,18
99964	9/64 / 3,57
9925	5/32 / 3,97
9926	3/16 / 4,76

Allen Hex Type Screwdriver Set (metric)



99PS41MM



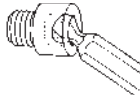
Contents:

991	Regular handle	
99X5	Extension	4 / 102

Inserts (Allen Hex Typ Screwdrivers, metric:

	Hex
9971 MM	Allen Hex 1,27 mm
9972 MM	Allen Hex 1,5 mm
9973 MM	Allen Hex 2 mm
9974 MM	Allen Hex 2,5 mm
9975 MM	Allen Hex 3 mm
9976 MM	Allen Hex 4 mm
9977 MM	Allen Hex 5 mm

Ballpoint Hex Socket Screwdriver Set (Inches)



99PS40BP



Contents:

991	Regular handle	
99X5	Extension	4 / 102

Inserts

Ballpoint hex socket srewdrivers, Inches: Hex

9920 BP	.050 / 1,27
9921 BP	1/16 / 1,59
9922 BP	5/64 / 1,99
9923 BP	3/32 / 2,38
99764 BP	7/64 / 2,78
9924 BP	1/8 / 3,18
99964 BP	9/64 / 3,57
9925 BP	5/32 / 3,97
9926 BP	3/16 / 4,76

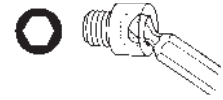
Model

Description



99PS41 MMBP

Ballpoint (metric)
Hex Socket Screwdriver Set



Contents:

Model/ Order-No.	Description	Length " / mm
991	Regular handle	
99X5	Extension	4 / 102

Inserts

Ballpoint hex socket screwdriver, metric:

9971 MM BP	Allen Hex	1,27 mm
9972 MM BP	Allen Hex	1,5 mm
9973 MM BP	Allen Hex	2 mm
9974 MM BP	Allen Hex	2,5 mm
9975 MM BP	Allen Hex	3 mm
9976 MM BP	Allen Hex	4 mm
9977 MM BP	Allen Hex	5 mm



99PS50

Screwdriver / Nutdriver Set
(Inches)

4 25 220 00



Contents:

991	Regular handle	
99X5	Extension	4 / 102

Allen hex type Nutdrivers, Inches:

996	3/16 / 4,76
997	7/32 / 5,57
998	1/4 / 6,35
999	9/32 / 7,14
9910	5/16 / 7,94
9911	11/32 / 8,73
9912	3/8 / 9,53

Screwdrivers, slotted:

99811	3/16 / 4,76
99250	1/4 / 6,35

Phillips Screwdrivers:

99821	No 1
99822	No 2

Description

Model

Nutdriver Set (metric)



99PS51 MM

Contents:

Model/ Order-No.	Description	Length " / mm
991	Regular handle	
99X5	Extension	4 / 102

Inserts

Allen hex type nutdriver, Inces:

994MM	Nutdriver	4 mm
9945MM	Nutdriver	4,5 mm
995MM	Nutdriver	5 mm
9955MM	Nutdriver	5,5 mm
996MM	Nutdriver	6 mm
997MM	Nutdriver	7 mm
998MM	Nutdriver	8 mm
999MM	Nutdriver	9 mm
9910MM	Nutdriver	10 mm
9911MM	Nutdriver	11 mm

Bristol Multiple-Spline Socket
Screwdrivers, 6 flute

99PS60

Contents:

991	Regular handle	
99X5	Extension	4 / 102

Inserts

Bristol, Multiple-Spline:

9961		.048 / 1,22
9962		.060 / 1,52
9963	4 flute	.069 / 1,75
9964		.072 / 1,83
9965	4 flute	.076 / 1,93
9966		.096 / 2,43
9967		.111 / 2,81
9968		.145 / 3,68
9969		.183 / 4,65



Single tools for service kits and sets:

Model/Order-No.	Description
991	Regular handle
992	Junior handle
993	Stubby handle
994	T-Handle
991R	Ratcheting handle
994R	T-Ratcheting handle

Inserts:

Screwdrivers, Pozidriv

99831	No. 1
99832	No. 2
99833	No. 3

Torx-Blades

996XTD	Torx-Blade No. 6
998XTD	Torx-Blade No. 8
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

Tool Cases

Model

Description

TCE150ST

4 41 300 00

Tool Case (metric assortment)
Special Tools out of Cooper Tools
product lines (European Version).
Dimensions: 475 x 345 x 120 mm.



Contents:

Model/ Order-No.	Description	Cat. page
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Interchangeable screwdrivers, nutdrivers and handles

991	Regular handle	311
994R	T-Ratcheting handle	317
99X5	Extention, 102 mm / 4"	343

Inserts:

Allen Hex Type, metric:

9971MM	1,27 mm	314
9972MM	1,5 mm	314
9973MM	2 mm	314
9974MM	2,5 mm	314
9975MM	3 mm	314
9976MM	4 mm	314
9977MM	5 mm	314

Hex Nutdrivers, metric:

994MM	4 mm	316
9945MM	4,5 mm	316
995MM	5 mm	316
9955MM	5,5 mm	316
996MM	6 mm	316
997MM	7 mm	316
998MM	8 mm	316
999MM	9 mm	316

Phillips Screwdrivers:

99820	No 0	313
99821	No. 1	311
99822	No. 2	311

Screwdrivers, slotted:

99811	4,76 mm / 1/8"	311
99250	6,35 mm / 1/4"	311
99312	7,94 mm / 5/16"	313

Reamer:

9938	102 mm / 4"	
	3,18 x 9,56 mm / 1/8 x 3/8"	311

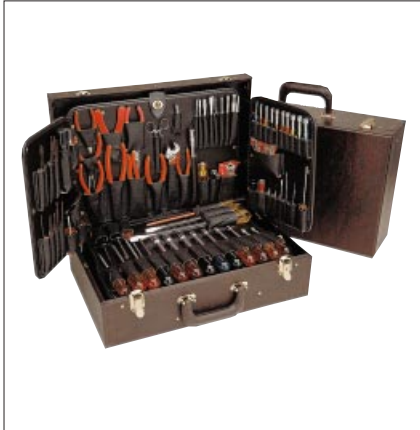
Electric Pliers:

NN7776C	Needle nose plier	286
TC55C	Cutting and looping plier	285
MS543CJ	Diagonal cutting plier	282
S55CS	Standard diagonal plier	
RN54C	Round nose plier	285
SN55C	Long chain nose with side cutter plier	284
DN54CG	Short flat nose plier	289
86CG	Electronic Snipper	291

TCE150ST continued from page 318

Model/ Order-No.	Description	Length. " / mm	Cat. page
Screwdrivers			
Round Blade Pocket Clip Style			
		Blade Dia. mm	
R 3322		2,38 mm	294
R 181		3,18 mm	294
Round Blade, Regular			
		Blade Dia. mm	
R 184		3,18 mm	294
Square Blade Stubby			
		Blade Dia. mm	
S 141		6,35 mm	294
Square Blade, Regular			
		Blade Dia. mm	
S 3166		4,76 mm	294
Phillips Screwdrivers Stubby			
SX 101	No. 1		295
SX 102	No. 2		295
Phillips Screwdrivers, Super-Tru-Tip			
XST 101	Nr. 1		296
Nutdrivers, metric			
		Hollow shaft	
10 MM		10 mm	301
11 MM		11 mm	301
13 MM		13 mm	301
Others			
W 61	Soldering iron 60 W		111
DS 7N	Desoldering tip for W61		153
CL 2	Hang-up clip for W61		
XL 75	Screwdriv set		326
42 H	Seizer	4/6 / 152	327
K 22	Electrician's Knife		327
103 S	Wire stripper		291
Y35 CM	Measuring tape 5 m		-
L60/40	Solder		-
	File		

TC150MT Without tools



Model

Description

TC100ST

4 41 200 00

Tool Cases with USA-Standard Assortment
Dimensions: 490 x 340 x 170 mm

Contents:

Model/ Order-No.	Description	Length " / mm	Cat. page
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Interchangeable screwdrivers, nutdrivers and handles

991	Regular handle		311
991R	Ratcheting handle		317
994R	T-Ratcheting handle		317
99X5	Extention	4 / 102	317
99X10	Extention	7 / 178	311

Inserts:

Form „Bristol“ - Multiple Spline 6 flute

9961		.048 / 1,22	313
9962		.060 / 1,52	313
9963	4 flute	.069 / 1,75	313
9964		.072 / 1,83	313
9965	4 flute	.076 / 1,93	313
9966		.096 / 2,43	313
9967		.111 / 2,81	313
9968		.145 / 3,68	313
9969		.183 / 4,65	313

Screwdrivers, Allen Hex Type, Inches

9920		.050 / 1,27	313
9921		1/16 / 1,59	313
9922		5/64 / 1,99	313
9923		3/32 / 2,38	313
9924		1/8 / 3,18	313
9925		5/32 / 3,97	313
9926		3/16 / 4,76	313
99764		7/64 / 2,78	313
99964		9/64 / 3,57	313

Screwdrivers, slotted

99125		1/8 / 3,18	313
99811		3/16 / 4,76	311
99250		1/4 / 6,35	311
99312		5/16 / 7,94	313

Phillips Screwdrivers:

99820	No. 0		313
99821	No. 1		311
99822	No. 2		311

Reamer:

9938	4 / 102	1/8 x 3/8 / 3,18 x 9,56	311
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Pliers:

42H	Seizer	6 / 152	327
46CG	adjustable wrench		311
50CG	adjustable plier		-
51CG	Snipe nose pliers		-
53CG	adjustable plier		-
54CG	Sidecutters		-
66CG	Sidecutters		-
57CG	Snipe nose pliers		-
59CG	Snipe nose pliers		-
86CG	Electronic Snips		291
103S	Wire stripper and cutter		291
K22	Electrician's Knife		327

TC100ST continued from page 320

Model/ Order-No.	Description	Length " / mm	Cat. page
Sets and Kits			
M60	Mini Screwdriver Set		310
XL75	Screwdriver Set		320
600	4-way pocket tool		305
SB1	Convertible blade		

Screwdrivers

Round Blade Pocket Clip Style

	Blade Dia.	
R3323	3/32 / 2,38	294
R181	1/8 / 3,18	294

Round Blade, Regular

	Blade Dia.	
R184	1/8 / 3,18	294
R5325	5/32 / 3,97	294
R3164	3/16 / 4,76	294
R3166	3/16 / 4,76	294
R144	1/4 / 6,35	294
R146	1/4 / 6,35	

Phillips Screwdrivers, Stubby

SX101	No. 1	295
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Phillips Screwdrivers, Super-Tru-Tip

XST100	No. 0	296
XST101	No. 1	296
XST102	No. 2	296

Square Blade Stubby

	Blade Dia.	
S3161	3/8 / 4,8	322
S5161	5/16 / 7,9	322

Square Blade Regular

	Blade Dia.	
S388	3/8	298
S5166	5/16	298

Screwdrivers, Allen Hex Type

	Blade Dia.	
P18	.028 / 0,71	308
P19	.035 / 0,89	308

Nutdrivers

HS6	3/16 / 4,76	302
HS8	1/4 / 6,35	301
HS10	3/16 / 7,94	301
HS11	11/32 / 8,73	301
HS12	3/8 / 9,53	301
HS14	7/16 / 11,11	301
HS16	1/2 / 12,70	301
HS18	9/16 / 14,29	302
998M	Allen hex, magnetic	313
9910M	Allen hex, magnetic	313
Contents of PS 120 Nutdriver Set		309

TC100MT

Without tools



Model

Description

TCMB100ST

Injection moulded polypropylene tool case.
Dimensions: 451 x 321 x 146 mm

Contents:

Model/ Order-No.	Description	Length " / mm	Cat. page
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Interchangeable screwdrivers, nutdrivers and handles

991	Regular handle		311
991R	Ratcheting handle		317
994R	T-Ratcheting handle		317
99X5	Extension	4 / 102	313
99X10	Extension	7 / 178	311

Reamer:

99-38		4 / 102	311
		1/8 x 3/8 / 3,18 x 9,56	

Inserts:

Screwdrivers, slotted

99125		1/8 / 3,18	313
99811		3/16 / 4,76	311
99250		1/4 / 6,35	311
99312		5/16 / 7,94	313

Phillips Screwdrivers:

99820	No. 0		313
99821	No. 1		311
99822	No. 2		311

Form "Bristol" - Multiple Spine 6 flute

9961		.048 / 1,22	313
9962		.060 / 1,52	313
9963	4 flute	.069 / 1,75	313
9964	4 flute	.072 / 1,83	313
9965		.076 / 1,93	313
9966		.096 / 2,43	313
9967		.111 / 2,81	313
9968		.145 / 3,68	313
9969		.183 / 4,65	313

Allen Hex Type, Inches

9920		.050 / 1,27	313
9921		1/16 / 1,59	313
9922		5/64 / 1,99	313
9923		3/32 / 2,38	313
9924		1/8 / 3,18	313
9925		5/32 / 3,97	313
9926		3/16 / 4,76	313
99764		7/64 / 2,78	313
99964		9/64 / 3,57	313

Pliers:

42H	Seizer	6 / 152	327
46CG	Adjustable wrench		311
50CG	Adjustable plier		-
51CG	Snipe nose plier		-
53CG	Adjustable plier		-
54CG	Sidecutters		-
66CG	Sidecutters		-
57CG	Snipe nose plier		-
59CG	Snipe nose plier		-
86CG	Electronic Snips		291
103S	Wire stripper and cutter		291
K22	Electrician's Knife		327

TCMB100ST continued from page 322

Model/ Order-No.	Description	Length " / mm	Cat. page
Sets and Kits			
M60	Mini Screwdriver Set		310
XL75	Screwdriver Set		319
600	4-way pocket tool		294
SB1	Convertible blade		322
Screwdrivers			
Round Blade Pocket Clip Style			
		Blade Dia.	
R3323		3/32 / 2,38	294
R181		1/8 / 3,18	294
Round Blade, Regular			
		Blade Dia.	
R184		1/8 / 3,18	294
R5325		5/32 / 3,97	294
R3164		3/16 / 4,76	294
R3166		3/16 / 4,76	294
R144		1/4 / 6,35	294
R146		1/4 / 6,35	
Phillips Screwdrivers Stubby			
SX101	No. 1		295
Phillips Screwdrivers, Super-Tru-Tip			
XST100	No. 0		296
XST101	No. 1		296
XST102	No. 2		296
Square Blade Stubby			
		Blade Dia.	
S3161		3/8 / 4,8	322
S5161		5/16 / 7,9	322
Square Blade Regular			
		Blade Dia.	
S388		3/8	298
S5166		5/16	298
Screwdrivers, Allen Hex Type			
		Blade Dia.	
P18		.028 / 0,71	308
P19		.035 / 0,89	308
Nutdrivers			
HS6		3/16 / 4,76	302
HS8		1/4 / 6,35	301
HS10		3/16 / 7,94	301
HS11		11/32 / 8,73	301
HS12		3/8 / 9,53	301
HS14		7/16 / 11,11	301
HS16		1/2 / 12,70	301
HS18		9/16 / 14,29	302
998M	Allen hex, magnetic		313
9910M	Allen hex, magnetic		313
	Contents of PS120 Nutdriver set		309

TCMB100MT

Without tools



Model

Description

TC200ST

Tool Cases with USA-Standard Assortment
Dimensions: 480 x 340 x 120 mm.

Contents:

Model/ Order-No.	Description	Length " / mm	Cat. page
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Interchangeable screwdrivers, nutdrivers and handles

991	Regular handle		311
994	T-Handle		313

Inserts:

Allen Hex Type, Inches

9920	.050	1,27	313
9921	1/16	1,59	313
9922	5/64	199	313
9923	3/32	2,38	313
9924	1/8	3,18	313
9925	5/32	3,97	313
9926	3/16	4,76	313
99764	7/64	2,78	313
99964	9/64	3,57	313

Reamer:

9938	4" / 102 mm	1/8 x 3/8" / 3,18 x 9,56	311
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Adapter:

99X5		4 / 102	317
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Phillips Screwdrivers:

99820	No. 0		313
99821	No. 1		311
99822	No. 2		311

Screwdrivers, slotted:

99125		1/8 / 3,18	313
99811		3/16 / 4,76	291
99250		1/4 / 6,35	311
99312		5/16 / 7,94	313

Hex Nutdrivers:

998		1/4 / 6,35	313
9910		5/16 / 7,94	313
9911		11/32 / 8,73	313
9912		3/8 / 9,53	313
9914		7/16 / 11,12	313
9916		1/2 / 12,7	313

Pliers:

46CG	Adjustable wrench		-
51CG	Snipe nose plier		-
53CG	Adjustable plier		-
64CG	Electronic pliers		-
55CG	Sidecutters		-
57CG	Snipe nose plier		-
86CG	Electronic Snips		291
101S	Wire stripper and cutter		291
K22	Electrician's Knife		327
43H	Seizer	6 / 152	327

TC200MT

Without tools

4 41 500 00

Description

Fine blending of quality, economy and flexibility. The case, 14" x 11" x 3 1/2" (350 x 280 x 90 mm) is made of rugged Cordura* and features a heavy duty zipper and soft leather wrapped handles. It also has, on the outside, one large pocket on one side and two smaller pockets on the opposite side. Contents same tools as TC200ST.

*Cordura is a registered trademark of Dupont.

Case without tools.

Model

TCS200ST



TCS200MT

Special Tools for Special Problems



Model

Description

XL70

Offset Ratchet Screwdriver Set
6,35 mm Hex / 1/4" Hex shank

Contents:

Model/ Order-No.	Description " / mm	Length " / mm
XL-3	Offset ratchet	.050 / 1,27
XL-4	Offset ratchet	1/16 / 1,54
XL-5	Offset ratchet	5/64 / 1,98
XL-6	Offset ratchet	3/32 / 2,38
XL-7	Offset ratchet	7/64 / 1,54
XL-8	Offset ratchet	1/8 / 3,17
XL-9	Offset ratchet	9/64 / 3,57
XL-10	Offset ratchet	5/32 / 3,97
XL-12	Offset ratchet	3/16 / 4,76
XL-14	Offset ratchet	7/32 / 5,56
XL-16	Offset ratchet	1/4 / 6
XL-17	Slotted screws	1/4 / 6
XL-18	Offset ratchet	5/16 / 7,94
XL-20	Phillips No. 1	
XL-21	Phillips No. 2	
XL-24	Adaptor	1/4 hex to 1/4 square
XL-25	Slotted screws	3/16 / 4,76
XL-27	Ratchet	
XL-50	Extension	



XL75

Offset Ratchet Screwdriver Set and bits

Contents:

Model/ Order-No.	Description	Length " / mm
XL17	Slotted screws bit	1/4 / 6,
XL20	Phillips No. 1	
XL21	Phillips No. 2	
XL25	Slotted screws bit	3/16 / 4,76
XL27	Ratchet	



Special Tools for Special Problems



XL-70



Model

Description

XL70

Offset Ratchet Screwdriver Set
6,35 mm Hex / 1/4" Hex shank

Contents:

Model/ Order-No.	Description " / mm	Length
XL-3	Offset ratchet	.050 / 1,27
XL-4	Offset ratchet	1/16 / 1,54
XL-5	Offset ratchet	5/64 / 1,98
XL-6	Offset ratchet	3/32 / 2,38
XL-7	Offset ratchet	7/64 / 1,54
XL-8	Offset ratchet	1/8 / 3,17
XL-9	Offset ratchet	9/64 / 3,57
XL-10	Offset ratchet	5/32 / 3,97
XL-12	Offset ratchet	3/16 / 4,76
XL-14	Offset ratchet	7/32 / 5,56
XL-16	Offset ratchet	1/4 / 6
XL-17	Slotted screws	1/4 / 6
XL-18	Offset ratchet	5/16 / 7,94
XL-20	Phillips No. 1	
XL-21	Phillips No 2	
XL-24	Adaptor	1/4 hex to 1/4 square
XL-25	Slotted screws	3/16 / 4,76
XL-27	Ratchet	
XL-50	Extension	



XL75

Offset Ratchet Screwdriver Set and bits

Contents:

Model/ Order-No.	Description	Length " / mm
XL17	Slotted screws bit	1/4 / 6,
XL20	Phillips No. 1	
XL21	Phillips No. 2	
XL25	Slotted screws bit	3/16 / 4,76
XL27	Ratchet	

Description

Model

Seizers

Contents:

42H	straight	4/6 / 152
43H	curved	4/6 / 152
32H	straight	0/5 / 127
33H	curved	0/5 / 127



Knife

Knife and screwdriver, insulation scraper

K22



Heat sink for delicate soldering jobs

Overall Length 82,55 mm / 3 1/4"

80



Ideal for diving and removing all types of fasteners

2 speed control

- 180 RPM low speed

- 360 RPM high speed

1 hour Quickcharge

Easy conversion from straight to pistol form

Bonus: Free 99 PA adapter for use with all

Xcelite series 99 interchangeable bits

The kit contains:

- Cordless driver
- 99 PA adapter
- 3 bits (2Phillips, 1 slotted), Charger 230 V
- Nickel-Cadmium rechargeable battery,
- Operating instructions

XP1CE



Technician Multipurpose Tool

16 component, multipurpose tool designed for technicians.

Stainless steel construction for durability and long life.

Consist of:

- Wire Stripper (20 to 10 AWG)
- Needle Nose Plier
- Wire Cutter
- Flat Head Screwdriver, Small, Medium, Large
- Wire Bender
- Phillips Screwdriver
- Awl
- English and Metric Ruler
- Can Opener
- Bottle Opener
- Metal File
- Wood File
- Serrated Drop Point Knife

XTZ1V

