

# Xcelite®

- Precision Nutdrivers & Screwdrivers
- Pliers & Cutters
- Tool Kits

Originating from a tiny metalworking company in 1921, the Xcelite® brand of precision hand tools has been a favorite of service technicians for over 75 years. It is now known throughout the electronics industry for its full line of high quality precision screwdrivers, nutdrivers, pliers, cutters, interchangeable-blade sets, specialized tools and kits.

# Xcelite® Table of Contents

Contents	Page No.
Xcelite® tool selection guide	277 - 279
Screwdrivers, for slotted screws, Phillips®, and Torx®	280 - 286
Screwdriver sets	286
Screwdrivers, Allen® hex socket type, and Ballpoint style	287 - 289
Combination reversible screwdrivers and kits	289 - 292
Nutdrivers-fixed handles—inch and Metric sizes	292 - 297
Compact convertible tool sets	297 - 299
Series 99 handles, blades, shanks, and kits	300 - 308
Series 99 compact interchangeable-blade sets	309 - 313
Plier selection information	314
Cutting capability guide	315
Diagonal cutting pliers	316 - 322
Diagonal end cutting pliers	322 - 323
Diagonal chain nose pliers	324
Diagonal long needle nose pliers	324 - 327
Needle nose pliers	328 - 330
Electronics pliers handy pack assortment	331
Electronic shearcutters and pliers	332 - 334
Pliers and cutters	335 - 337
Utility Pliers	338
Special tools for special problems	338 - 341
Tweezers	342
Precision knives and blades	343 - 344
Cable Tie Gun	345
Multi-purpose tool kit	345
Xcelite® attaché tool cases	346 - 353
Tools for cable terminals and connectors	354 - 365
Xcelite® Numerical Index	366 - 368

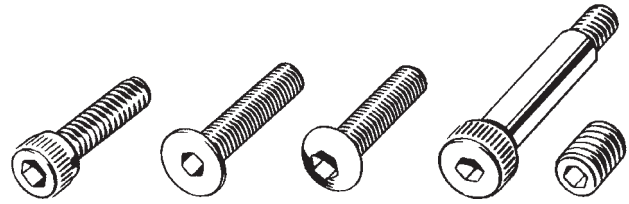
## FEATURE CODES

- E = (Prefix) “Accu-Lite” Grips
- V = Blister carded
- J = Flush cutting edges
- K = Semi-flush cutting edges
- S = Coil spring
- G = Smooth jaws

Allen® is a registered trademark of Holo Krane, Technology Corporation.  
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## Xcelite® Tool Selection Guide

### Allen® Type Hex Socket Screws



Xcelite driver  
or blade

Cap screws 1960 series Nominal screw sizes	1936 series	Flat head cap screws	Button head cap screws	Shoulder screws	Set screws	Catalog number	Hex size (inches)
-	-	-	-	-	0	P18	.028
-	-	0	0	-	1&2	P19	.035
0	0&1	1&2	1&2	-	3&4	LN20, P20, 9920	.050
1	2	3&4	3&4	-	5&6	LN21, P21, 9921	1/16
2&3	3&4	5&6	5&6	-	8	LN22, P22, 9922	5/64
4&5	5&6	8	8	-	10	LN23, P23, 9923	3/32
6	-	-	-	-	-	LN764, P764, 99764	7/64
-	8	10	10	1/4	1/4	LN24, P24, 9924	1/8
8	-	-	-	-	-	LN964, P964, 99964	9/64
10	10&12	1/4	1/4	5/16	5/16	LN25, 9925	5/32
1/4	1/4	5/16	5/16	3/8	3/8	LN26, 9926	3/16
-	5/16	3/8	3/8	-	7/16	LN27	7/32
5/16	-	7/16	-	1/2	1/2	LN28	1/4

**Note:**

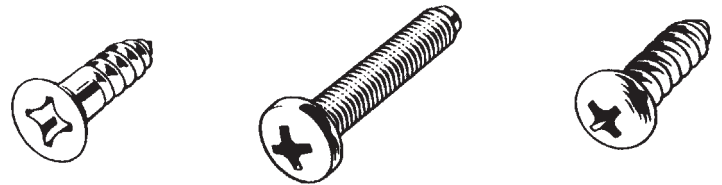
P Series = midget drivers in PS89 sets.

LN Series = fixed handle drivers. Same size available also in LN20BP through LN28BP ballpoint fixed handle drivers.

Series 99 = interchangeable blades. Same sizes available also in 9920BP through 9926BP ballpoint blades.

See also offset ratchet screwdriver sets.

## Phillips® Type Screws



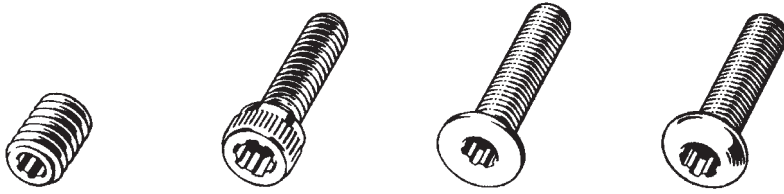
Xcelite driver  
or blade

Wood screw		Machine screw		Sheetmetal Truss brazier button	Flat, round oval, stove binding	Point size	Blade diameter (inches)
Flat oval	Round	Flat oval binding	Round fillister				
0.1	0.1	0.1	0.1	-	-	0	1/8
2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4, 5	2, 3, 4	1	3/16
5, 6, 7	5, 6, 7	5, 6, 8	5, 6, 8	6, 8, 10	5, 6, 7		
8, 9	8, 9, 10	10	10		8, 10	2	1/4
10, 12	12, 14	12, 1/4"	12, 1/4"	12, 1/4"	12, 14		
14, 16	16		5/16"			3	5/16
18, 20	18, 20	5/16", 3/8"	3/8", 7/16"	5/16", 3/8"	-		
24	24	7/16", 1/2"	1/2"	7/16", 1/2"		4	3/8

**Note:** See fixed handle drivers; compact convertible sets; Series 99 sets and interchangeable blades; combination reversible drivers, kits, and blades, offset ratchet screwdriver sets.

# Xcelite® Tool Selection Guide

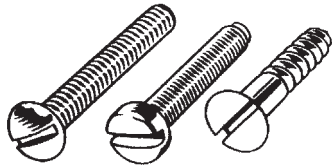
## Bristol Type Multiple-spline Socket Screws



Set screws	Cap screws 1960 series	Flat head	Button head	Xcelite blade Catalog number	Tip size (inches)	Number of flutes
No. 2-No. 3	-	No. 0	No. 0	9961	.048	6
No. 4	No. 0	No. 1-No. 2	No. 1-No. 2	9962	.060	6
No. 5	-	-	-	9963	.069	4
No. 5-No. 6	No. 1	No. 3-No. 4	99-64	9964	.072	6
No. 6	-	-	-	9965	.076	4
No. 8	No. 2-No. 3	No. 5-No. 6	No. 5-No. 6	9966	.096	6
No. 10	No. 4-No. 5	No. 8	No. 8	9967	.111	6
1/4"	-	No. 10	No. 10	-	.145	6
5/16"	No. 10	1/4"	1/4"	9969	.183	6

Note: See 99PS-60 compact interchangeable blade set and Series 99 blades.

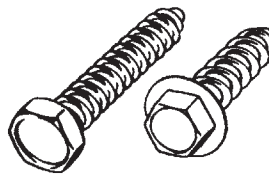
## Slotted Screws



Xcelite driver or blade

Screw size	Tip size (inches)
0	3/32
1	3/32
2	1/8
3	5/32
4	3/16
5	3/16
6	1/4
7	1/4
8	5/16
9	5/16
10	5/16
12	3/8
14	3/8
16	7/16
18	7/16

## Hex Head Screws



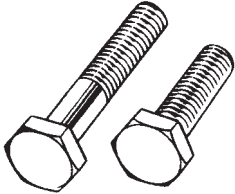
Xcelite driver or blade

Screw size	Screw diameter (inches)	Number*	Hex opening (inches)
1	.073	4	1/8
2	.086	4	1/8
3	.099	6	3/16
4	.112	6	3/16
5	.125	6	3/16
6	.138	8	1/4
7	.151	8	1/4
8	.164	8	1/4
10	.190	10	5/16
12	.216	10	5/16
1/8	.250	12	3/8
1/8	.312	16	1/2
1/8	.375	18	9/16

\*See fixed handle drivers catalog numbers with or without prefix P, HS, A or AA, magnetic nutdrivers with suffix M; and Series 99 blades with prefix 99.

Note: See round and square blade fixed handle drivers, compact convertible sets, Series 99® kits and interchangeable blades, combination reversible blade drivers and kits, offset ratchet screwdriver sets.

## Hex Head Bolts and Hex Head Cap Screws

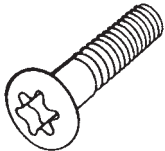


Xcelite  
nutdriver or blade

Bolt or screw size	Number*	Hex opening (inches)
1/4	14	7/16
5/16	16	1/2
3/8	18	9/16
7/16	20	5/8
1/2	24	3/4

\*See fixed handle drivers catalog numbers with or without prefix P, HS, A, or AA; Magnetic nutdrivers with suffix M; and Series 99 blades with prefix 99.

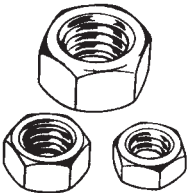
## Torx® Screws



Xcelite  
Driver

Torx size	Catalog Number
T8	XTD8
T10	XTD10
T15	XTD15
T20	XTD20
T25	XTD25
T27	XTD27
T30	XTD30

## Hex Nuts



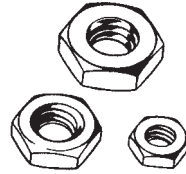
Xcelite  
nutdriver or blade

Nut size	Number*	Hex opening (inches)
1/4	14	7/16
5/16	16	1/2
3/8	18	9/16
7/16	22	11/16
1/2	24	3/4

\*See fixed handle drivers catalog numbers with or without prefix P, HS, A, or AA; Magnetic nutdrivers with suffix M; and Series 99 blades with prefix 99.

## Xcelite® Tool Selection Guide

### Hex Machine Screw Nuts



Xcelite  
nutdriver or blade

Nut size	For screw diameter	Number*	Hex opening (inches)
0	.060	5	5/32
1	.073	5	5/32
2	.086	6	3/16
3	.099	6	3/16
4	.112	8	1/4
5	.125	10	5/16
6	.138	10	5/16
8	.164	11	11/32
10	.190	12	3/8
12	.216	14	7/16
1/4	.250	14	7/16
5/16	.312	18	9/16
3/8	.375	20	5/8

\*See fixed handle drivers catalog numbers with or without prefix P, HS, A or AA, magnetic nutdrivers with suffix M; and Series 99 blades with prefix 99.

## Precision Electronic Screwdriver Sets



- ESD safe to provide protection to ESD sensitive items
- Chrome-molybdenum vanadium steel blades provide superior strength
- Fast turning swivel caps w/cavity provides optimum control for precise centering
- Black oxide tips for longer wear life
- No-roll handle design keeps drivers from rolling off uneven surfaces
- Storage case provides a home and keeps drivers safe

Cat No.	UPC No.	Packed	Description	Shelf Pack
XP600	037103157513	Boxed	6 piece ESD safe slotted/Phillips® screwdriver set with storage case	1
XPTX600	037103157720	Boxed	6 piece ESD safe Torx® screwdriver set with storage case	1

### XP600 contains 1 each of:

- 1.5mm x 60mm slotted tip screwdriver
- 2.0mm x 60mm slotted tip screwdriver
- 2.5mm x 60mm slotted tip screwdriver
- 3.0mm x 60mm slotted tip screwdriver
- #0 point Phillips® tip screwdriver
- #00 point Phillips® tip screwdriver

### XPTX600 contains 1 each of:

- #5 point standard Torx® tip screwdriver
- #6 point standard Torx® tip screwdriver
- #7 point tamper-proof standard Torx® tip screwdriver
- #8 point tamper-proof standard Torx® tip screwdriver
- #10 point tamper-proof standard Torx® tip screwdriver
- #15 point tamper-proof standard Torx® tip screwdriver

## Pro Series Electronic Screwdrivers and Sets

- The handle core is made of hard shockproof plastic for durability, while the outer coating is soft rubber for comfort and slip resistance
- ESD safe hard plastic core to protect sensitive components
- The handles are ergonomically designed, allowing sustained high torque with minimal slippage and muscle fatigue
- Smooth shatterproof seamless handle cap for minimal friction between hand and handle when screwdriver is being turned
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Satin finish chrome molybdenum steel shafts provide durability
- Specially treated black oxide tips eliminate light reflection



Cat No.	UPC No.	Packed	Contents	Shelf Pack
XPE500	037103183323	Hanging Display Box	XPE101, XPE102, XPE3166, XPE144, XPE184	1
XPE700	037103153838	Hanging Display Box	XPE101, XPE102, XPE3166, XPE144, XPE184, XPE5324, XPE5166	1

## Screwdrivers for Slotted Screws

Except where otherwise noted, all blades are AISI 6150 chrome vanadium steel, plated for protection.

### Pocket Clip Style - Round Blade

- Blade made from AISI 6150 chrome vanadium steel



Cat No.	UPC No.	Color	Packed	Blade Diameter		Length		Screwdriver Length		Shelf Pack
				Inch	mm	Inch	mm	Inch	mm	
R3322	037103485656	Red	Boxed	3/32		2	51	4 1/4	108	12
R3322V	037103485663	Red	Carded	3/32		2	51	4 1/4	108	12
R3323	037103485670	Green	Boxed	3/32		3	76	5 1/4	133	12
R3323V	037103488725	Green	Carded	3/32		3	76	5 1/4	133	6
R3324	037103485687	Green	Boxed	3/32		4	102	6 1/4	159	12
R3324V	037103488732	Green	Carded	3/32		4	102	6 1/4	159	6
R181	037103485458	Red	Boxed	1/8		2	51	4 1/4	108	12
R181V	037103485465	Red	Carded	1/8		2	51	4 1/4	108	12
R183	037103485489	Red	Boxed	1/8		3	76	5 1/4	133	6
R183V	037103488688	Red	Carded	1/8		3	76	5 1/4	133	6

## Regular - Round Blade



R184



R144



R3166



R148

Cat No.	UPC No.	Packed	Blade diameter		Blade length		Screwdriver length		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	
R182	037103485472	Boxed	1/8	2	51	4 5/8	117	6	
R182V	037103488671	Carded	1/8	2	51	4 5/8	117	6	
R183	037103485489	Boxed	1/8	3	76	5 1/4	133	6	
R183V	037103488688	Carded	1/8	3	76	5 1/4	133	6	
R184	037103485496	Boxed	1/8	4	102	6 5/8	168	6	
R184V	037103485502	Carded	1/8	4	102	6 5/8	168	6	
R186	037103485519	Boxed	1/8	6	152	8 5/8	219	6	
R186V	037103485526	Carded	1/8	6	152	8 5/8	219	6	
R188	037103485533	Boxed	1/8	8	203	10 5/8	270	6	
R188V	037103485540	Carded	1/8	8	203	10 5/8	270	6	
R1810	037103485571	Boxed	1/8	10	254	12 5/8	321	6	
R5323	037103485731	Boxed	5/32	3	76	5 5/8	143	6	
R5324	037103485748	Boxed	5/32	4	102	6 5/8	168	6	
R5325	037103485755	Boxed	5/32	5	127	7 5/8	194	6	
R3163	037103485588	Boxed	3/16	3	76	6 5/8	168	6	
R3164	037103485601	Boxed	3/16	4	102	7 5/8	194	6	
R3164V	037103485618	Carded	3/16	4	102	7 5/8	194	6	
R3166	037103485625	Boxed	3/16	6	152	9 5/8	244	6	
R3166V	037103485632	Carded	3/16	6	152	9 5/8	244	6	
R3168	037103485649	Boxed	3/16	8	203	11 5/8	295	6	
R31610	037103485786	Boxed	3/16	10	254	13 5/8	346	6	
R144	037103485403	Boxed	1/4	4	102	8 1/8	206	6	
R144V	037103485410	Carded	1/4	4	102	8 1/8	206	6	
R146	037103485427	Boxed	1/4	6	152	10 1/8	257	6	
R146V	037103485434	Carded	1/4	6	152	10 1/8	257	6	
R148	037103485441	Boxed	1/4	8	203	12 1/8	308	6	
R1410	037103485564	Boxed	1/4	10	254	14 1/8	359	6	
R5164	037103485694	Boxed	5/16	4	102	8 1/2	216	6	
R5166	037103485700	Boxed	5/16	6	152	10 1/2	267	6	
R5168	037103485724	Boxed	5/16	8	203	12 1/2	317	6	
R388	037103485557	Boxed	3/8	8	203	12 1/2	317	6	



## Round Blade Screwdriver Set

- Xcelite® Catalog No. SDR11 consists of 5 round blade screwdrivers for slotted screws (R182, R5324, R3166, R144 and R5166)



Cat No.	UPC No.	Packed	Description	Shelf Pack
SDR11	037103486103	Pouch	5 round blade screwdrivers for slotted screws	1

## Stubby - Square Blade

- Stubby square blade screwdrivers
- Blades made of AISI 6150 chrome vanadium steel, plated for protection
- Handle color: Amber



Cat No.	UPC No.	Packed	Blade diameter		Blade length		Screwdriver length		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	
S3161	037103485922	Boxed	3/16	4.8	1 1/4	32	3 1/4	83	6
S141	037103485854	Boxed	1/4	6.4	1 1/4	32	3 1/4	83	6

## Regular - Square Blade

- Regular square blade screwdrivers
- Blades made of AISI 6150 chrome vanadium steel, plated for protection
- Handle color: Amber



Cat No.	UPC No.	Packed	Blade diameter		Blade length		Screwdriver Length		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	
S3163	037103485939	Boxed	3/16	4.8	3	76	6 5/8	168	6
S3164	037103485953	Boxed	3/16	4.8	4	702	7 5/8	194	6
S3166	037103485977	Boxed	3/16	4.8	6	152	9 5/8	244	6
S144	037103485861	Boxed	1/4	6.4	4	102	8 1/8	206	6
S146	037103485885	Boxed	1/4	6.4	6	152	10 1/8	257	6
S5164	037103486028	Boxed	5/16	7.9	4	102	8 1/2	216	6
S5166	037103486035	Boxed	5/16	7.9	6	152	10 1/2	216	6
S5168	037103486059	Boxed	5/16	7.9	8	203	12 1/2	317	6
S388	037103485915	Boxed	3/8	9.5	8	203	12 1/2	317	6
S3812	037103486004	Boxed	3/8	9.5	12	305	18	457	6

## Square Blade Screwdriver Set



- Xcelite® Catalog No. SDS44 consists of 5 square blade screwdrivers for slotted screws (S141, S3164, S144, S5166 and S388)

Cat No.	UPC No.	Packed	Description	Shelf Pack
SDS44	037103486110	Pouch	5 square blade screwdrivers for slotted screws	1

## Screwdrivers for Recess Head Screws



- Screwdriver for recess head screws
- Pocket clip style - Phillips® type
- No. 0 x 2"

Cat No.	UPC No.	Packed	Point size	Blade diameter		Blade length		Screwdriver length		Shelf Pack
				Inch	mm	Inch	mm	Inch	mm	
P12S	037103484857	Boxed	0	1/8	2	51	4 1/4	108	12	
P12SV	037103486905	Carded	0	1/8	2	51	4 1/4	108	12	

## Stubby - Phillips® Type

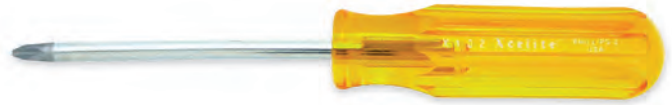


- Stubby round blade screwdriver for Phillips® screws
- Blades made of AISI 6150 chrome vanadium steel, plated for protection
- Handle color: Amber

Cat No.	UPC No.	Packed	Point size	Blade diameter		Blade length		Screwdriver length		Shelf Pack
				Inch	mm	Inch	mm	Inch	mm	
SX101	037103486226	Boxed	1	3/16	1 1/4	32	3 1/4	83	6	
SX102	037103486233	Boxed	2	1/4	1 5/16	33	3 3/8	86	6	

## Regular – Phillips® Type

- Regular Phillips® type screwdrivers
- Blades made of AISI 6150 chrome vanadium steel, plated for protection
- Handle color: Amber



Cat No.	UPC No.	Packed	Point size	Blade diameter Inch	Blade length		Screwdriver length		Shelf Pack
					Inch	mm	Inch	mm	
X100	037103486370	Boxed	0	1/8	2	50	4 5/8	117	6
X101	037103486394	Boxed	1	3/16	3	76	6 5/8	168	6
X101V	037103486400	Carded	1	3/16	3	76	6 5/8	168	6
X108	037103486462	Boxed	1	3/16	6	152	9 5/8	244	6
X108V	037103486479	Carded	1	3/16	6	152	9 5/8	244	6
X102	037103486417	Boxed	2	1/4	4	102	8 1/8	206	6
X102V	037103486424	Carded	2	1/4	4	102	8 1/8	206	6
X103	037103486431	Boxed	3	5/16	6	152	10 1/2	267	6

## Extra long – Phillips® Type

- Extra long Phillips® type screwdrivers
- Blades made of AISI 6150 chrome vanadium steel, plated for protection
- Handle color: Amber



Cat No.	UPC No.	Packed	Point size	Blade diameter Inch	Blade length		Screwdriver length		Shelf Pack
					Inch	mm	Inch	mm	
X1010	037103486486	Boxed	1	3/16	10	254	13 5/8	346	6
X1020	037103486493	Boxed	2	1/4	10	254	14 1/8	359	6

## Super-tru Tip – Phillips® Type

- Super-tru tip for longer wear life and reduction of damage to screw head recesses, especially in smaller size fasteners
- Specially treated and finished tips with black oxide for ultimate control
- Bright, nickel chrome-plated blades



Cat No.	UPC No.	Packed	Point size	Blade diameter Inch	Blade length		Screwdriver length		Shelf Pack
					Inch	mm	Inch	mm	
XST100	037103486738	Boxed	0	1/8	2	50	4 5/8	117	6
XST100V	037103486745	Carded	0	1/8	2	50	4 5/8	117	6
XST101	037103486752	Boxed	1	3/16	3	76	6 5/8	168	6
XST101V	037103486769	Carded	1	3/16	3	76	6 5/8	168	6
XST102	037103486776	Boxed	2	1/4	4	102	8 1/8	206	6
XST102V	037103486783	Carded	2	1/4	4	102	8 1/8	206	6
XST1010	037103486790	Boxed	1	3/16	10	254	13 5/8	371	6
XST1020	037103486806	Boxed	2	1/4	10	254	14 1/8	371	6

## Screwdrivers for Torx® Head Screws



- Screwdriver for Torx® head screws
- Blades made of AISI 6150 chrome vanadium steel, plated for protection

Cat No.	UPC No.	Packed	Tip size	Blade length		Screwdriver length		Shelf Pack
				Inch	mm	Inch	mm	
XTD6	037103490551	Boxed	T-6	3	76	6 5/8	168	6
XTD6V	037103490568	Carded	T-6	3	76	6 5/8	168	6
XTD8	037103490407	Boxed	T-8	3	76	6 5/8	168	6
XTD8V	037103490414	Carded	T-8	3	76	6 5/8	168	6
XTD10	037103488039	Boxed	T-10	3	76	6 5/8	168	6
XTD10XL	037103491312	Boxed	T-10	11	279	15 1/4	387	6
XTD15	037103488053	Boxed	T-15	3	76	6 5/8	168	6
XTD15XL	037103491329	Boxed	T-15	11	279	15 1/4	387	6
XTD20	037103488077	Boxed	T-20	3	76	6 5/8	168	6
XTD25	037103488091	Boxed	T-25	3	76	6 5/8	168	6
XTD27	037103488114	Boxed	T-27	4 1/2	105	8 5/8	220	6
XTD30	037103488138	Boxed	T-30	4 1/2	105	8 5/8	220	6

## Driver sets



SDX22



XST3



XST5



SD3V



SRX33

- **SDX22** contains Phillips Xcelite® Catalog No. X100, X101, X102, X103, SX102
- **XST3** contains Super-tru tip Phillips Xcelite® Catalog No. XST100, XST101, XST102
- **XST5** contains Super-tru Phillips Xcelite® Catalog No. XST100, XST101, XST102, XST1010 and XST1020

- **SD3V** contains pocket clip screwdrivers R181 and R3322 for slotted screws and P12S for Phillips head screws
- **SRX33** contains blades for slotted screws Xcelite® Catalog No. R184, R3166, R144, R5166 and Phillips Xcelite® Catalog No. X101 and X102

Cat No.	UPC No.	Packed	Shelf Description	Pack
SDX22	037103486127	Pouch	5 pieces – all Phillips	1
XST3	037103487353	Pouch	3 pieces – all Super-tru tip Phillips type	1
XST5	037103487360	Pouch	5 pieces – all Super-tru tip Phillips type	1
SD3V	037103486097	Carded	3 pocket clip screwdrivers for slotted and Phillips head screws	1
SRX33	037103486219	Pouch	6 pieces – 4 round blade for slotted screws and 2 Phillips types	1

## Allen® Hex Socket Type Screwdrivers - Inch Sizes

- Allen® hex socket type screwdrivers
- Screwdriver for recessed socket head screws
- Inch sizes
- Color of handle: Amber



LN25

Cat No.	UPC No.	Packed	Blade diameter		Blade length		Screwdriver length		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	
LN20	037103484468	Boxed	.050		4	102	6 5/8	168	6
LN21	037103484475	Boxed	1/16		4	102	6 5/8	168	6
LN21V	037103488275	Carded	1/16		4	102	6 5/8	168	6
LN22	037103484482	Boxed	5/64		4	102	6 5/8	168	6
LN22V	037103488282	Carded	5/64		4	102	6 5/8	168	6
LN23	037103484499	Boxed	3/32		4	102	7 1/8	190	6
LN23V	037103488299	Carded	3/32		4	102	7 1/8	190	6
LN764	037103484550	Boxed	7/64		4	102	7 1/8	190	6
LN964	037103484567	Boxed	9/64		4	102	7 1/8	190	6
LN25	037103484512	Boxed	5/32		6	152	9 1/8	232	6

## Allen® Hex Socket Type Screwdrivers - Metric Sizes

- Allen® hex socket type screwdrivers
- Screwdriver for recessed socket head screws
- Metric sizes
- Color of handle: Black



Cat No.	UPC No.	Packed	Blade diameter		Blade length		Screwdriver length		Shelf Pack
			Inch/ mm	mm	Inch	mm	Inch	mm	
LN15MM	037103484277	Boxed	1.5		-	102	-	168	6
LN2MM	037103484284	Boxed	2		-	102	-	168	6
LN25MM	037103484291	Boxed	2.5		-	102	-	181	6
LN3MM	037103484307	Boxed	3		-	102	-	181	6
LN4MM	037103484314	Boxed	4		-	102	-	181	6

## Roll-up Kits for Allen® Hex Socket Type



- Complete set of LN series Allen hex socket type and metric size screwdrivers
- Roll-up canvas case, plastic-coated for wear and protection

Cat No.	UPC No.	Packed	Description	Shelf Pack
LN11	037103484451	Canvas case	Complete set of LN series Allen hex type screwdrivers, 0.050" - 1/4"	1
LN8MM	037103484345	Canvas case	Complete set of 8 drivers w/black handles in metric sizes, 1.27mm thru 6mm	1

## Ballpoint Style, Allen® Hex Socket Type

- Unique “ballpoint” tip makes Xcelite® drivers ideal for tightening and removing Allen type socket head screws in out-of-reach places or merely when wanting an easier, quicker way to drive them home
- Will engage screw head from any angle
- Slips easily into sockets and holds securely without reaming, because ends are precision-machined to close tolerance

## Ballpoint Style, Allen® Hex Socket Type - Inch Sizes



- For easier tightening and removing of Allen type socket head screws
- Ballpoint tip
- Color of handle: Amber

Cat No.	UPC No.	Packed	Blade diameter Inch	Blade length Inch	Blade length mm	Screwdriver length Inch	Screwdriver length mm	Shelf Pack
LN20BP	037103484574	Boxed	.050	4	102	6 5/8	168	6
LN21BP	037103484581	Boxed	1/16	4	102	6 5/8	168	6
LN22BP	037103484598	Boxed	5/64	4	102	6 5/8	168	6
LN23BP	037103484604	Boxed	3/32	4	102	7 1/8	181	6
LN764BP	037103484666	Boxed	7/64	4	102	7 1/8	181	6
LN964BP	037103484673	Boxed	9/64	4	102	7 1/8	181	6
LN25BP	037103484628	Boxed	5/32	4	102	7 1/8	181	6
LN28BP	037103484659	Boxed	1/4	4	102	8 1/8	206	6

## Roll-up Kits for Ballpoint Style Allen® Hex Socket Type

- Ballpoint, Allen hex socket type screwdrivers
- Roll-up canvas case
- Inch sizes
- Color of handle: Amber



Cat No.	UPC No.	Packed	Description	Shelf Pack
LN9BP	03710348444	Canvas case	Inch sizes – 9 ballpoint, Allen hex socket type screwdrivers, 0.050" - 3/16"	1

## Combination Reversible Screwdrivers and Kits

- Economical multi-purpose tool sets and kits consisting of either a regular or stubby handle combined with one or more of reversible, interchangeable combination blades
- Blades and handle may be purchased separately
- Blades snap in and out easily and are held firmly in perfect alignment by patented spring lock

### No. 25 Handle

- Color of handle: Amber
- Use with reversible blades



Cat No.	UPC No.	Packed	Description	Handle dimensions		Shelf Pack
				Inch x Inch	mm x mm	
25	037103481337	Boxed	Screwdriver handle	1 1/8 x 4 1/8	29 x 105	6

## Reversible Blades (Use with Number 25 Handle)



- Snaps in and out easily and held firmly in perfect alignment by patented spring lock

Cat No.	UPC No.	Packed	Blade diameter		Description	Blade length		Shelf Pack
			Inch	mm		Inch	mm	
RB1	037103485793	Boxed	3/16	5	No. 1 Phillips – 3/16" slotted	6 1/4	159	6
RB2	037103485809	Boxed	1/4	6	No. 2 Phillips – 1/4" slotted	6 1/4	159	6

## Combination Reversible Blades and Handles



- Contains 1 reversible, interchangeable, combination blade
- Regular handle

Cat No.	UPC No.	Packed	Description	Screwdriver length		Shelf Pack
				Inch	mm	
CR1	037103483904	Boxed	No. 25 handle & RB1 blade	7 1/4	184.15	6
CR1V	037103483911	Carded	No. 25 handle & RB1 blade	7 1/4	184.15	6
CR2	037103483928	Boxed	No. 25 handle & RB2 blade	7 1/4	184.15	6
CR2V	037103483935	Carded	No. 25 handle & RB2 blade	7 1/4	184.15	6

## Plastic View Kit



CK23

### CK20

- Zipper case with RB1 and RB2 blades and No. 25 handle

### CK23

- Zipper case with RB1, RB2 and RB3 blades and No. 25 handle

Cat No.	UPC No.	Description	Shelf Pack
CK20	037103483881	Zipper case with RB1, RB2 blades and No. 25 handle	6
CK23	037103483898	Zipper case with RB1, RB2 and RB3 blades and No. 25 handle	6



## Pocket Roll Kit

- Contains RB1, RB2 and RB3 blades and Xcelite® Catalog No. 25 handle



Cat No.	UPC No.	Description	Shelf Pack
CK3	037103483874	Contains RB1, RB2 and RB3 blades with No. 25 handle	6

## 4-way Pocket Tool

- Extremely versatile time-saver
- Handy for removing backs of TV sets and installing antennas
- Special reversible SB1 blade fits slotted or Phillips head screws
- Double-ended handle serves as 2 sizes of nutdrivers (7/16" and 1/4")



Cat No.	UPC No.	Packed	Description	Shelf Pack
600	037103483690	Boxed	4-way pocket tool	6
600V	037103483706	Carded	4-way pocket tool	6

## Four-in-One Screwdriver

- Extra handy
- 2 blades also interchangeable with Two-In-One
- Self-storing standard shaft
- Converts in seconds to 4 most often needed tips (3/16" and 1/4" slotted tips and Xcelite® Catalog No. 1 and 2 Phillips®)



Cat No.	UPC No.	Packed	Description	Shelf Pack
FSD1	037103487537	Boxed	Four-in-One screwdriver complete	6
FSD1V	037103487605	Carded	Four-in-One screwdriver complete	6

## Two-in-One Screwdriver



- 3/16" slotted tip end and Xcelite® Catalog No. 1 Phillips®
- Stubby handle

Cat No.	UPC No.	Packed	Description	Shelf Pack
TSD1V	037103487612	Carded	Two-in-one screwdriver complete	6

## Nutdrivers - Fixed Handle

- Features steel shafts
- Precision-machined, cold-drawn, case-hardened sockets with bright finish
- Molded firm grip
- Plastic handles are color-coded for easy size identification
- Xcelite® offers a variety of nutdriver blades that fit interchangeably in special handles  
See pages 305 and 306

## Regular Nutdrivers - Fixed Handle - Drilled Shaft



- Precision-machined, cold-drawn, case-hardened socket with bright finish
- Regular, plastic color-coded handles for ease in size identification
- Molded firm grip

Cat No.	UPC No.	Packed	Color code	Diameter Inch	Depth of hole	Blade length		Nutdriver length		Shelf Pack
						Inch	mm	Inch	mm	
6	037103481054	Boxed	Black	3/16	1 1/8"	3	76	6 1/8	156	6
8	037103481108	Boxed	Red	1/4	1 1/8"	3	76	6 1/8	156	6
10	037103481177	Boxed	Amber	5/16	1 1/8"	3	76	6 1/8	156	6
11	037103481221	Boxed	Green	11/32	1 1/8"	3	76	6 1/8	156	6
12	037103481252	Boxed	Blue	3/8	1 1/8"	3	76	6 1/8	156	6
14	037103481290	Boxed	Brown	7/16	1 7/8"	2 7/8	73	7	178	6

## Regular Nutdrivers - Full Hollow Shaft - Inch Sizes

- Precision-machined, cold-drawn, case-hardened socket with bright finish
- Molded firm grip

Color Coded Handles



Cat No.	UPC No.	Packed	Color code	Blade diameter Inch	Depth of hole	Blade length		Screwdriver length		Shelf Pack
						Inch	mm	Inch	mm	
HS6	037103484031	Boxed	Black	3/16	6"	3 1/8	79	6 1/4	159	6
HS7	037103484055	Boxed	Brown	7/32	6"	3 1/8	79	6 1/4	159	6
HS8	037103484062	Boxed	Red	1/4	7"	3 1/8	79	7 1/4	184	6
HS8V	037103484079	Carded	Red	1/4	7"	3 1/8	79	7 1/4	184	6
HS9	037103484086	Boxed	Orange	9/32	7"	3 1/8	79	7 1/4	184	6
HS9V	037103488657	Carded	Orange	9/32	7"	3 1/8	79	7 1/4	184	6
HS10	037103484093	Boxed	Amber	5/16	7"	3 1/8	79	7 1/4	184	6
HS10V	037103484109	Carded	Amber	5/16	7"	3 1/8	79	7 1/4	184	6
HS11	037103484116	Boxed	Green	11/32	7"	3 1/8	79	7 1/4	184	6
HS11V	037103484123	Carded	Green	11/32	7"	3 1/8	79	7 1/4	184	6
HS12	037103484130	Boxed	Blue	3/8	7"	3 1/8	79	7 1/4	184	6
HS12V	037103484147	Carded	Blue	3/8	7"	3 1/8	79	7 1/4	184	6
HS14	037103484154	Boxed	Brown	7/16	7"	3 1/8	79	7 1/4	184	6
HS14V	037103484161	Carded	Brown	7/16	7"	3 1/8	79	7 1/4	184	6
HS16	037103484178	Boxed	Red	1/2	7"	3 1/8	79	7 1/4	184	6
HS16V	037103484185	Carded	Red	1/2	7"	3 1/8	79	7 1/4	184	6
HS18	037103484192	Boxed	Orange	9/16	7"	3 1/8	79	7 1/4	184	6
HS18V	037103484208	Carded	Orange	9/16	7"	3 1/8	79	7 1/4	184	6

## Extra Long Nutdrivers - Full Hollow Shaft - Inch Sizes

- Precision-machined, cold-drawn, case-hardened socket with bright finish
- Molded firm grip

Color Coded Handles



Cat No.	UPC No.	Packed	Color code	Blade diameter Inch	Depth of hole	Blade length		Screwdriver length		Shelf Pack
						Inch	mm	Inch	mm	
L8	037103483720	Boxed	Red	1/4	9 3/4"	6	152	10 1/8	257	6
L10	037103483768	Boxed	Amber	5/16	9 3/4"	6	152	10 1/8	257	6
L11	037103483805	Boxed	Green	11/32	9 3/4"	6	152	10 1/8	257	6
L12	037103483829	Boxed	Blue	3/8	9 3/4"	6	152	10 1/8	257	6

## Magnetic Nutdrivers



- Ultimate in convenience for assembly and service operations involving hex fasteners
- Alnico permanent magnet inserted in socket holds fasteners firmly for easy, one-hand driving or for retrieving or removal
- Socket specially treated and hardened for use with self-tapping screws
- Unique Xcelite® development effectively insulates magnet
- Exclusive with Xcelite® 1/4" and 5/16" magnetic fixed handle
- Comfortable contoured handle provides adequate torque for 1-hand driving

Cat No.	UPC No.	Packed	Handle color	Diameter Inch	Depth of hole	Blade length		Tool length		Shelf Pack
						Inch	mm	Inch	mm	
8M	037103481115	Boxed	Red	1/4	-	3	76	6 1/8	156	6
10M	037103481184	Boxed	Amber	5/16	-	3	76	6 1/8	156	6
L8M	037103483737	Boxed	Red	1/4	-	6	152	10 1/8	257	6
L8MV	037103483744	Carded	Red	1/4	-	6	152	10 1/8	257	6
L10M	037103483775	Boxed	Amber	5/16	-	6	152	10 1/8	257	6
L10MV	037103483782	Carded	Amber	5/16	-	6	152	10 1/8	257	6

## Metric Nutdrivers

- Manufactured precisely to metric dimension
- Particularly useful in the assembly and servicing of foreign equipment
- Bright finished blades, shafts and shanks (same as English version)

## Regular Nutdrivers - Drilled Shaft - Metric Sizes



- Particularly useful in assembly and servicing of foreign equipment
- Bright finished blades, shafts and shanks
- Manufactured precisely to metric dimension
- Handle color: Black

Cat No.	UPC No.	Packed	Blade Diameter mm	Depth of hole mm	Blade Length mm	Tool Length mm	Thread diameter cap screws Hex head mm	Hex nuts mm	Shelf Pack
5MM	037103481030	Boxed	5	29	76	156	2.6	2.6	6
55MM	037103481047	Boxed	5.5	29	76	156	3	3	6
7MM	037103481092	Boxed	7	29	76	156	4	4	6
8MM	037103481122	Boxed	8	29	76	156	5	5	6
10MM	037103481191	Boxed	10	48	73	178	6	6	6

## Nutdrivers, Full - Hollow Shaft

- Particularly useful in assembly and servicing of foreign equipment
- Bright finished blades, shafts and shanks
- Manufactured precisely to metric dimension



Cat No.	UPC No.	Packed	Color code	Blade Diameter mm	Depth of hole mm	Blade length		Nutdriver length		Shelf Pack
						Inch	mm	Inch	mm	
13MM	037103481283	Boxed	Black	13	178	-	79	-	184	6

## Color Coded Nutdriver Sets - "Tray Bien"

- Contains assortment of nutdrivers listed in chart
- Convenient blow molded case



Cat No.	UPC No.	Description	Shelf Pack
127TB	037103483621	Contains solid shaft No's. 6, 7, 8, 9, 10, 11 and 12	1
147TB	037103483638	Contains hollow shaft No's. HS8, HS9, HS10, HS11, HS12, HS14, and HS166	1

## Nutdriver Set

- Contains assortment of nutdrivers listed in chart
- Plastic pouch



Cat No.	UPC No.	Description	Shelf Pack
157	037103483652	Contains 7 pieces, all regular drilled shaft No's. 6, 8, 10, 11, 12, 14 and 16	1
177	037103483669	Contains 7 pieces, all hollow shaft No's. HS6, HS8, HS10, HS11, HS12, HS14 and HS16	1

## Nutdriver Kit - “Keep and Carry” Case



- Contains assortment of nutdrivers listed in chart
- Sturdy yellow plastic case for inch sizes, and red case for metric sizes, keeps nutdrivers orderly on work bench and carries them on service calls

Cat No.	UPC No.	Description	Shelf Pack
HS618	037103484215	Inch sizes - Contains hollow shaft No's. HS6, HS7, HS8, HS9, HS10, HS11, HS12, HS14, HS16, and HS18	1
413MM	037103481023	Metric sizes - 10 piece set of nutdrivers: 4MM through 8MM, 10MM, 11MM, 13MM. All have 31.35mm depth shaft hole	1

## Compact Convertible Tool Sets

- Compact convertible tool sets complete more jobs with fewer tools, save bench space and lighten service kits
- Each set is equipped with a remarkable black, “piggyback” torque amplifier handle (Xcelite® Catalog No. TA2) that slips over the top of color-coded midget drivers to provide larger gripping surface, extended reach and increased driving power
- Sets housed in attractive, easy to open, clear plastic cases
- All individual screwdrivers and nutdrivers are available separately

## PS88 Screwdriver Set - Inch Sizes



- Handles more jobs with fewer tools, saves bench space and lightens service kit
- Equipped with remarkable black, “piggyback” torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case
- Color-coded handles; 9 pieces

Cat No.	UPC No.	Packed	Handle color	Blade length		Screwdriver length		Shelf Pack
				Inch	mm	Inch	mm	
PS88	037103485236	Boxed	Complete set					3
PS88V	037103485243	Carded	Complete set carded					3
P3321	037103485052	-	Green	3/32	-	3 1/2	89	12
P1	037103484727	-	Brown	1 Phillips	-	3 1/2	89	12
TA2	037103486240	-	Black	Torque amplifier handle				6

## PS120 Nutdriver Set - Inch Sizes

- Handles more jobs with fewer tools, saves bench space and lightens service kit
- Equipped with remarkable black, “piggyback” torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case
- Color-coded handles



Cat No.	UPC No.	Packed	Handle color	Diameter Inch	Nutdriver length Inch	Nutdriver length mm	Shelf Pack
<b>PS120</b>	037103485281	Boxed	Complete set			3	
<b>PS120V</b>	037103485298	Carded	Complete set carded			3	
<b>P4</b>	037103484758	-	Red	1/8	3 1/2	89	12
<b>P5</b>	037103484765	-	Amber	5/32	3 1/2	89	12
<b>P6</b>	037103484772	-	Black	3/16	3 1/2	89	12
<b>P8</b>	037103484796	-	Red	1/4	3 1/2	89	12
<b>P10</b>	037103484826	-	Amber	5/16	3 1/2	89	12
<b>TA2</b>	037103486240	-	Black	Torque amplifier handle			3

## PS121 MM Metric Compact Convertible Nutdriver Set

- Handles more jobs with fewer tools, saves bench space and lightens service kit
- Equipped with remarkable black, “piggyback” torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case



Cat No.	UPC No.	Packed	Diameter mm	Nutdriver length mm	Shelf Pack
<b>PS121MM</b>	037103485304	Boxed	Complete set		3
<b>△ P3MM</b>	037103485076	-	3	89	12
<b>△ P35MM</b>	037103485083	-	3.5	89	12
<b>TA2</b>	037103486240	-	Torque amplifier handle		3

△ = Made to order, contact customer service for delivery.

## PS130 Screwdriver and Nutdriver Set - Inch Sizes



- Handles more jobs with fewer tools, saves bench space and lightens service kit
- Equipped with remarkable black, “piggyback” torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case
- Color-coded handles

Cat No.	UPC No.	Packed	Handle color	Blade Diameter Inch	Diameter Inch	Shelf Pack
PS130	037103485311	Boxed	Complete set			3
PS130V	037103485328	Carded	Complete set carded			3
<b>Screwdrivers</b>						
P1	037103484727	-	Brown	1 Phillips	-	12
<b>Nutdrivers</b>						
P6	037103484772	-	Black	-	3/16	12
P8	037103484796	-	Red	-	1/4	12
P10	037103484826	-	Amber	-	5/16	12
TA2	037103486240	-	Black	Torque amplifier handle		3

## PS89 Screwdriver Set for Hex Socket Screws - Inch Sizes



- Handles more jobs with fewer tools, saves bench space and lightens service kit
- Equipped with remarkable black, “piggyback” torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case
- Red handles

Cat No.	UPC No.	Packed	Diameter Inch	Tool length		Shelf Pack
				Inch	mm	
PS89	037103485250	Boxed	Complete set			3
PS89V	037103485267	Carded	Complete set carded			3
P19	037103484888	-	.035	3 1/2	89	12
P20	037103484895	-	.050	3 1/2	89	12
P22	037103484918	-	5/64	3 1/2	89	12
P23	037103484925	-	3/32	3 1/2	89	12
TA2	037103486240	-	Torque amplifier handle			3



## PS90MM Compact Convertible Hex Socket Screwdriver Set

- Handles more jobs with fewer tools, saves bench space and lightens service kit
- Equipped with remarkable black, “piggyback” torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case
- Black handles

### Metric Sizes



Cat No.	UPC No.	Packed	Diameter mm	Tool length mm	Shelf Pack
PS90MM	037103485274	Boxed	Complete set		3
TA2	037103486240	-	Torque amplifier handle		3

## M60 Mini-driver Kit - Inch Sizes

- Miniature version of compact convertible set
- For precise detailed work
- Mini-drivers consist of jeweler’s type and Phillips® screwdriver blades molded in color-coded plastic handles
- Contains a black torque amplifier handle
- 7/8” X 3 1/16” / 22.22mm X 77.78mm
- Furnished in see-through plastic case
- Color-coded handles



Cat No.	UPC No.	Packed	Handle color	Blade Diameter Inch	Blade Diameter mm	Blade length Inch	Blade length mm	Tool length Inch	Tool length mm	Shelf Pack
M60	037103484680	Boxed	-	Complete set						6
M60V	037103484697	Carded	-	Complete set carded						6

## Series 99 Handles, Blades, and Shanks

- Series 99 interchangeable handles, blades, and shanks shown on these pages are all available separately, allowing gradual, economical accumulation of whatever items might be needed for individual requirements
- Also permits owners of Series 99 sets or kits to enlarge them or substitute tools, as necessary, at minimal cost

### Handles



- Easy to operate
- Use with Series 99 blades

Cat No.	UPC No.	Packed	Description	Color	Handle dimensions		Shelf Pack
					Inch x Inch	mm x mm	
991	037103482532	Boxed	Regular	Amber	13/16 x 4	30 x 102	6
991V	037103482549	Carded	Regular	Amber	13/16 x 4	30 x 102	6
992	037103482570	Boxed	Junior	Amber	11/16 x 3 1/8	27 x 79	6
993	037103482594	Boxed	Stubby	Amber	13/16 x 2	30 x 51	6
994	037103482600	Boxed	Tee	Black	3 1/2 x 1 5/8	89 x 41	6
994V	037103482655	Carded	Tee	Black	3 1/2 x 1 5/8	89 x 41	6

### Reversible Ratcheting Handles



- Easy to operate
- Permits extremely simple 1-hand operation, even in tight quarters
- Use with Series 99 blades
- Smooth precise action
- Left-right-neutral marking indicator
- Light ratcheting drag facilitates turning and prevents fasteners from reversing

Cat No.	UPC No.	Packed	Description	Color	Inch x Inch		Shelf Pack
					Inch x Inch	mm x mm	
991R	037103482556	Boxed	Regular	Black	1 x 7	25 x 178	6
994R	037103482631	Boxed	Tee	Black	3 1/2 x 2 1/2	89 x 64	6

### ESD Safe Ergonomic Handle



- Use with Series 99 interchangeable blades
- 48 different blade styles and sizes are available
- ESD safe to protect sensitive components
- The handle is made of hard shock proof plastic for durability
- The handle is ergonomically designed allowing sustained higher torque
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force

Cat No.	UPC No.	Packed	Description	Color	Inch x Inch	mm x mm	Shelf Pack
995ESD	037103236333	Boxed	Regular	Gray	3 1/2 x 1 5/8	89 x 41	1

### Nutdrivers - Inch Sizes



996



9914



9912



9916

Cat No.	UPC No.	Packed	Diameter Inch	Approximate working length		Shelf Pack
				Inch	mm	
996	037103482693	Boxed	3/16	3 5/8	92	6
997	037103482716	Boxed	7/32	3 5/8	92	6
998	037103482747	Boxed	1/4	3 5/8	92	6
99S8	037103482396	Boxed	1/4	1 3/8	36	6
999	037103482792	Boxed	9/32	3 5/8	92	6
9910	037103482822	Boxed	5/16	3 5/8	92	6
99S10	037103482402	Boxed	5/16	1 3/8	36	6
9911	037103482853	Boxed	11/32	3 5/8	92	6
9912	037103482884	Boxed	3/8	3 5/8	92	6
99S12	037103482419	Boxed	3/8	1 3/8	36	6
9914	037103482907	Boxed	7/16	4	102	6
9916	037103482921	Boxed	1/2	4	102	6

### Magnetic Nutdrivers - Inch Sizes



9910M

Cat No.	UPC No.	Packed	Diameter Inch	Approximate working length		Shelf Pack
				Inch	mm	
998M	037103482754	Boxed	1/4	3 5/8	92	6
9910M	037103482945	Boxed	5/16	3 5/8	92	6

### Nutdrivers - Metric Sizes



998MM



9910MM

Cat No.	UPC No.	Packed	Diameter mm	Approximate working length		Shelf Pack
				Inch	mm	
994MM	037103482617	Boxed	4	-	92	6
995MM	037103482662	Boxed	5	-	92	6
9955MM	037103482679	Boxed	5.5	-	92	6
996MM	037103482686	Boxed	6	-	92	6
997MM	037103482723	Boxed	7	-	92	6
998MM	037103482761	Boxed	8	-	92	6
999MM	037103482808	Boxed	9	-	92	6
9910MM	037103482839	Boxed	10	-	102	6
9911MM	037103482860	Boxed	11	-	102	6

## Slotted Screwdrivers



99312



99811

Cat No.	UPC No.	Packed	Diameter Inch	Approximate working length Inch	Approximate working length mm	Shelf Pack
99125	037103483379	Boxed	1/8	4	102	6
99811	037103483447	Boxed	3/16	4	102	6
99811V	037103483454	Carded	3/16	4	102	6
99250	037103483393	Boxed	1/4	4	102	6
99250V	037103483409	Carded	1/4	4	102	6
99312	037103483416	Boxed	5/16	4	102	6

## Phillips®



99822



99820

Cat No.	UPC No.	Packed	Description	Approximate working length Inch	Approximate working length mm	Shelf Pack
99820	037103483461	Boxed	No. 0	4	102	6
99821	037103483485	Boxed	No. 1	4	102	6
99821V	037103483492	Carded	No. 1	4	102	6
99822	037103483508	Boxed	No. 2	4	102	6
99822V	037103483515	Boxed	No. 2	4	102	6

## Pozidriv®



99831



99832

Cat No.	UPC No.	Packed	Description	Approximate working length Inch	Approximate working length mm	Shelf Pack
99831	037103483522	Boxed	No. 1	4	102	6
99832	037103483539	Boxed	No. 2	4	102	6

## ⊗ Screwdrivers - Allen® Hex Socket Type

Inch Sizes



9923



9926

Cat No.	UPC No.	Packed	Diameter Inch	Approximate working length Inch	Approximate working length mm	Shelf Pack
9920	037103482969	Boxed	.050	4	102	6
9921	037103482983	Boxed	1/16	4	102	6
9922	037103483003	Boxed	5/64	4	102	6
9923	037103483027	Boxed	3/32	4	102	6
99764	037103483102	Boxed	7/64	4	102	6
9924	037103483041	Boxed	1/8	4	102	6
99964	037103483119	Boxed	9/64	4	102	6
9925	037103483065	Boxed	5/32	4	102	6
9926	037103483089	Boxed	3/16	4	102	6

## ⊗ Screwdrivers - Allen® Hex Socket Type

Metric Sizes



9972MM



9976MM

Cat No.	UPC No.	Packed	Diameter mm	Approximate working length Inch	Approximate working length mm	Shelf Pack
9971MM	037103483232	Boxed	1.27	-	102	6
9972MM	037103483249	Boxed	1.5	-	102	6
9973MM	037103483256	Boxed	2.0	-	102	6
9974MM	037103483263	Boxed	2.5	-	102	6
9975MM	037103483270	Boxed	3.0	-	102	6
9976MM	037103483287	Boxed	4.0	-	102	6
9977MM	037103483294	Boxed	5.0	-	102	6

## ⊗ Screwdrivers - Ballpoint Allen® Hex Socket Type

Inch Sizes



9924BP



9976MM

Cat No.	UPC No.	Packed	Diameter Inch	Approximate working length Inch	Approximate working length mm	Shelf Pack
9920BP	037103482976	Boxed	.050	4	102	6
9921BP	037103482990	Boxed	1/16	4	102	6
9922BP	037103483010	Boxed	5/64	4	102	6
9923BP	037103483034	Boxed	3/32	4	102	6
99764BP	037103483430	Boxed	7/64	4	102	6
9924BP	037103483058	Boxed	1/8	4	102	6
99964BP	037103483553	Boxed	9/64	4	102	6
9925BP	037103483072	Boxed	5/32	4	102	6
9926BP	037103483096	Boxed	3/16	4	102	6

## Screwdrivers - Bristol 6-flute Multiple Spline



9964



9969

Cat No.	UPC No.	Packed	Description	Diameter		Approximate working length		Shelf Pack
				Inch	mm	Inch	mm	
9961	037103483140	Boxed		0.048	1.22	4	102	6
9962	037103483157	Boxed		0.060	1.52	4	102	6
9963	037103483164	Boxed	4 flute	0.069	1.75	4	102	6
9964	037103483171	Boxed		0.072	1.82	4	102	6
9966	037103483195	Boxed		0.096	2.43	4	102	6
9967	037103483201	Boxed		0.111	2.82	4	102	6
9969	037103493224	Boxed		0.183	4.65	4	102	6

## Screwdrivers - Torx®



998XTD



9927XTD

Cat No.	UPC No.	Packed	Tip Size	Approximate working length		Shelf Pack
				Inch	mm	
996XTD	037103490575	Boxed	T-6	4	102	6
998XTD	037103490582	Boxed	T-8	4	102	6
9910XTD	037103490025	Boxed	T-10	4	102	6
9915XTD	037103490032	Boxed	T-15	4	102	6
9920XTD	037103490049	Boxed	T-20	4	102	6
9925XTD	037103490056	Boxed	T-25	4	102	6
9927XTD	037103490063	Boxed	T-27	4	102	6
9930XTD	037103490070	Boxed	T-30	4	102	6

## Reamer



Cat No.	UPC No.	Packed	Diameter		Approximate working length		Shelf Pack
			Inch x Inch	mm x mm	Inch	mm	
9938	037103483126	Boxed	1/8 x 3/8	3.17 x 9.52	4	102	6

## Extensions



99X5

Cat No.	UPC No.	Packed	Description	Approximate working length		Tool Length		Shelf Pack
				Inch	mm	Inch	mm	
99X5	037103482501	Boxed	Extension	4	102	4	102	6
99X10	037103482525	Boxed	Extension	7	178	7	178	6
99X10V	037103487063	Carded	Extension	7	178	7	178	6

## Power Bit Adapter

- For use with Xcelite® Series 99 blades
- Fits all power tools with 1/4" hex chuck



Cat No.	UPC No.	Packed	Description	Shelf Pack
99PA	037103490926	Boxed	Power bit adapter	6
99PAV	037103490933	Carded	Power bit adapter	6

## Series 99 Service Kits

- Series 99 service kits and sets made primarily of various screwdrivers, nutdrivers and other blades that can be used interchangeably in Series 99 handles
- All blades are high quality steel, hardened and tempered for optimum performance
- Plastic handles have patented spring device that holds blades firmly, yet permits quick, easy insertion and removal
- Regular handles accommodate all blades, single and reversible
- Stubby, Tee and Ratchet handles used only with single-end blades

### 99SM & 99SMX Roll Kit & Case



99SM



99SMX

- Versatile 23-piece set of quality tools
- Provides a variety of quick change tools and tool combinations to speed up assembly and service work
- Available in a durable, roll-up plastic coated canvas case, or hard plastic case, for easy selection and storage

Cat No.	UPC No.	Packed	Inch	mm	Description	Shelf Pack
99SM	037103482471	Boxed	-		Complete roll kit	1
99SMK	037103482488	Boxed	-	-	Canvas case	1
99SMX	037103490254	Boxed	-	-	Complete tool kit w/carrying case	1
52NCGV	037103212931	-	6	152	Long nose cushion grip plier	6
55NCG	037103213297	-	5	127	Diagonal cushion grip plier	6
46CG	037103481467	-	6	152	Thin-pattern cushion grip adjustable wrench	6
991	037103482532	-	-	-	Regular handle	6
993	037103482594	-	-	-	Stubby handle	6
996 to 9916	-	-	-	-	Regular nutdrivers (9)	-
99S8, 99S10, 99S12	-	-	-	-	Stubby nutdrivers	-
99821, 99822	-	-	-	-	Phillips screwdrivers	-
99811, 99250	-	-	-	-	Slotted screwdrivers	-
9938	037103483126	-	-	-	Reamer	6
99X10	037103482525	-	-	-	Extension	6



## 99PR Roll Kit

- Multi-purpose, 14-piece nutdriver and screwdriver set



Cat No.	UPC No.	Packed	Inch	mm	Description	Shelf Pack
99PR	037103482266	Boxed	-	-	Complete roll kit	1
99K	037103482228	Boxed	-	-	Canvas case	1
991	037103482532	-	-	-	Regular handle	6
996 to 9916	-	-	-	-	Nutdrivers (9)	-
99811, 99250	-	-	-	-	Slotted screwdrivers	-
99821, 99822	-	-	-	-	Phillips screwdrivers	-

## 99SPC Personal Computer Repair Kit

- Ideal for repairs on PC's
- Contains 4 anti-static chip tools, protects chips from ESD damage
- Tools fit securely in a convenient roll-up pouch



Cat No.	UPC No.	Packed	Inch	mm	Description	Shelf Pack
99SPC	037103490940	Boxed	-	-	Complete kit	1
99820	037103483461	-	-	-	#0 Phillips screwdriver blade	6
99821	037103483485	-	-	-	#1 Phillips screwdriver blade	6
99811	037103483447	-	3/16	5	Slotted screwdriver blade	6
9910XTD	037103490025	-	-	-	Torx® screwdriver blade	6
9915XTD	037103490032	-	-	-	Torx® screwdriver blade	6
996	037103482693	-	3/16	5	Hex nutdriver shank	6
998	037103482747	-	1/4	6	Hex nutdriver shank	6
991	037103482532	-	-	-	Regular handle	6
					Three-prong chip retriever/ extractor – antistatic	-
					Chip tweezer, Chip inserter, Chip extractor – antistatic	-

## 99MP & 99MPX Multi-purpose Tool Kit



- 39-piece kit contains most popular Series 99 tools
- 2 extra pockets permit addition of pliers, snips or other tools
- Available in a durable, roll-up plastic coated canvas case for easy selection and storage

Cat No.	UPC No.	Packed	Inch	mm	Description	Shelf Pack
99MP	037103482235	Boxed	-	-	Complete kit	1
99MPK	037103482242	Boxed	-	-	Canvas case	1
991	037103482532	-	-	-	Regular handle	6
994	037103482600	-	-	-	Tee handle	6
998M	037103482754	-	-	-	Magnetic nutdriver	6
996, to 9916	-	-	-	-	Regular nutdrivers (9)	-
9920, to 9926	-	-	-	-	Allen hex screwdrivers (9)	-
99764, 99964	-	-	-	-	-	-
9961, to 9969	-	-	-	-	Bristol multiple spline screwdrivers (9)	-
99125, 99811	-	-	-	-	Slotted screwdrivers	-
99250, 99312	-	-	-	-	-	-
99820, 99821, 99822	-	-	-	-	Phillips screwdrivers	-
9938	037103483126	-	-	-	Reamer	6
99X5	037103482501	-	-	-	Extension	6

## 99PA50 Tool Kit



- Series 99 screwdriver and nutdriver set designed for use with cordless rechargeable screwdrivers
- Contains 11 most popular nutdriver and screwdriver sizes together with a power adapter (Xcelite® Catalog No. 99PA)
- Convenient vinyl carrying pouch

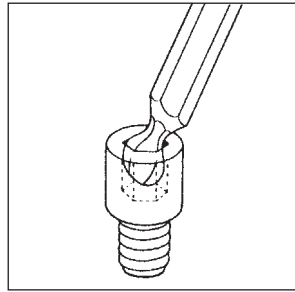
Cat No.	UPC No.	Packed	Description	Diameter Inch	Shelf Pack
99PA50	037103497299	Boxed	Complete set	3/16	6
Δ 99S8	037103482396	-	Stubby nutdriver	1/4	6
Δ 99S10	037103482402	-	Stubby nutdriver	5/16	6
Δ 99S12	037103482419	-	Stubby nutdriver	3/8	6
99PA	037103490926	-	Cordless screwdriver adapter	-	6

Δ = Made to order, contact customer service for delivery.

## Series 99 Compact Interchangeable-blade Sets

### 99PS40BP Ballpoint Allen hex socket type screwdriver set - Inch sizes

- Unique “ballpoint” tip ideal for tightening and removing Allen socket screws in hard to reach spots or need a quicker way to drive them home
- 9 blades 4”/101.60mm long, 99X5 extension and regular 991 handle in plastic see-through stand-up case
- Will engage screw head from any angle
- Ends precision-machined to close tolerances to help slip easily into sockets and hold securely without reaming



Cat No.	UPC No.	Packed	Tip Size Inch	Tool Length		Shelf Pack
				Inch	mm	
99PS40BP	037103482297	Boxed	Complete set	-	-	3
99PS40BPV	037103482303	Carded	Complete set carded	-	-	3
9920BP	037103482976	-	.050	4	102	6
9921BP	037103482990	-	1/16	4	102	6
9922BP	037103483010	-	5/64	4	102	6
9923BP	037103483034	-	3/32	4	102	6
99764BP	037103483430	-	7/64	4	102	6
9924BP	037103483058	-	1/8	4	102	6
99964BP	037103483553	-	9/64	4	102	6
9925BP	037103483072	-	5/32	4	102	0
9926BP	037103483096	-	3/16	4	102	6
991	037103482532	-	Regular handle	4	102	6
99X5	037103482501	-	Extension	4	102	6

## 99PS41MMBP Ballpoint Allen Hex Socket Type Screwdriver Set

Metric Sizes



- Interchangeable, Allen hex socket type
- Contains 7 drivers, 102mm 99X5 extension and regular 991 handle
- 102mm approximate working length
- Flexible plastic see-through stand-up case

Cat No.	UPC No.	Packed	Description	Tool Length		Shelf Pack
				Inch	mm	
99PS41MMBP	037103482327	Boxed	Complete set	-	-	3
991	037103482532	-	Regular handle	4	102	6
99X5	037103482501	-	Extension	4	102	6

## 99XTD7 Torx® Screwdriver Blade Kit



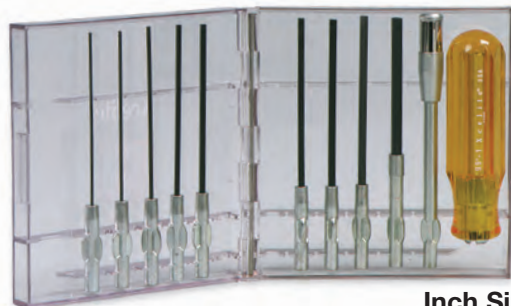
- Interchangeable blades
- Contains 6 blades 4"/102mm long and regular 991 handle
- 102mm approximate working length



Cat No.	UPC No.	Packed	Tip Size	Tool Length		Shelf Pack
				Inch	mm	
99XTD7	037103490018	Boxed	Complete set	-	-	6
9910XTD	037103490025	-	T-10	4	102	6
9915XTD	037103490032	-	T-15	4	102	6
9920XTD	037103490049	-	T-20	4	102	6
9925XTD	037103490056	-	T-25	4	102	6
9927XTD	037103490063	-	T-27	4	102	6
9930XTD	037103490070	-	T-30	4	102	6
991	037103482532	-	Regular Handle	-	-	6

## 99PS40 Allen Hex Socket Type Screwdriver Set

- 11-piece set
- See-through plastic case



Inch Sizes

Cat No.	UPC No.	Packed	Diameter Inch	Tool Length		Shelf Pack
				Inch	mm	
99PS40	037103482273	Boxed	Complete set	-	-	3
99PS40V	037103482280	Carded	Complete set carded	-	-	3
991	037103482532	-	Regular handle	-	-	6
9920	037103482969	-	.050	4	102	6
9921	037103482983	-	1/16	4	102	6
9922	037103483003	-	5/64	4	102	6
9923	037103483027	-	3/32	4	102	6
99764	037103483102	-	7/64	4	102	6
9924	037103483041	-	1/8	4	102	6
99964	037103483119	-	9/64	4	102	6
9925	037103483065	-	5/32	4	102	6
9926	037103483089	-	3/16	4	102	6
99X5	037103482501	-	Extension	4	102	6

## 99PS41MM Allen Hex Socket Type Screwdriver Set

- Compact interchangeable blades
- Fits socket screws shown below
- 99X5 extension adds 102mm in length
- 991 handle 27mm x 105mm in length
- 102mm approximate working length
- Convenient see-through stand-up plastic case



Metric Sizes

Cat No.	UPC No.	Packed	Diameter mm	Socket head cap screws		Diameter mm	Shelf Pack
				Set screws mm	Flat head cap screws thread diameter mm		
99PS41MM	037103482310	Boxed	Complete set	-	-	-	3
9971MM	037103483232	-	1.27	2.6	1.4	-	6
9972MM	037103483249	-	1.5	3	1.7, 2	-	6
9973MM	037103483256	-	2	4	2.3, 2.6	3	6
9974MM	037103483263	-	2.5	5	3	4	6
9975MM	037103483270	-	3	6	4	5	6
9976MM	037103483287	-	4	8	5	6	6
9977MM	037103483294	-	5	10	6	8	6
991	037103482532	-	-	Regular handle	-	-	6
99X5	037103482501	-	-	Extension	-	-	6

## 99PS50 Screwdriver and Nutdriver Set

Inch Sizes



- 13-piece set
- See-through stand-up plastic case

Cat No.	UPC No.	Packed	Description	Blade Diameter Inch	Tool Length		Shelf Pack
					Inch	mm	
99PS50	037103482334	Boxed	Complete set	-	-	-	3
99PS50V	037103482341	Carded	Complete set carded	-	-	-	3
996	037103482693	-	Regular nutdriver	3/16	3 5/8	92	6
997	037103482716	-	Regular nutdriver	7/32	3 5/8	92	6
998	037103482747	-	Regular nutdriver	1/4	3 5/8	92	6
999	037103482792	-	Regular nutdriver	9/32	3 5/8	92	6
9910	037103482822	-	Regular nutdriver	5/16	3 5/8	92	6
9911	037103482853	-	Regular nutdriver	11/32	3 5/8	92	6
9912	037103482884	-	Regular nutdriver	3/8	3 5/8	92	6
99811	037103483447	-	Slotted screwdriver	3/16	3 7/8	98	6
99250	037103483393	-	Slotted screwdriver	1/4	3 7/8	98	6
99821	037103483485	-	Phillips screwdriver	No. 1	4	102	6
99822	037103483508	-	Phillips screwdriver	No. 2	4	102	6
99X5	037103482501	-	Extension	-	4	102	6
991	037103482532	-	Regular handle	-	4	102	6

## 99PS51MM Compact, Interchangeable Shank, Nutdriver Set

Metric Sizes



- 12-piece set
- Convenient see-through stand-up plastic case

Cat No.	UPC No.	Packed	Approx. working Diameter mm	Hex head cap screws thread length mm	Hex nuts thread diameter mm	Diameter mm	Shelf Pack
99PS51MM	037103482358	Boxed	Complete set	-	-	-	3
994MM	037103482617	-	4	92	-	2	6
9945MM	037103482624	-	4.5	92	-	2.3	6
995MM	037103482662	-	5	92	2.6	2.6	6
9955MM	037103482679	-	5.5	92	3	3	6
996MM	037103482686	-	6	92	3.5	3.5	6
997MM	037103482723	-	7	92	4	4	6
998MM	037103482761	-	8	92	5	5	6
999MM	037103482808	-	9	92	-	-	6
9910MM	037103482839	-	10	102	6	6	6
9911MM	037103482860	-	11	102	7	7	6
991	037103482532	-	Regular handle	102	-	-	6
99X5	037103482501	-	Extension	102	-	-	6

## 99PS60 Bristol Multiple-spline Socket Type Screwdriver Set

Inch Sizes

- 11-piece set
- Convenient see-through stand-up plastic case



Cat No.	UPC No.	Packed	Diameter mm	Tool Length		Shelf Pack
				Inch	mm	
<b>99PS60</b>	037103482372	Boxed	Complete set	-	-	3
<b>9961</b>	037103483140	-	.048	4	102	6
<b>9962</b>	037103483157	-	.060	4	102	6
<b>9963</b>	037103483164	-	.069	4	102	6
<b>9964</b>	037103483171	-	.072	4	102	6
<b>9966</b>	037103483195	-	.096	4	102	6
$\Delta$ <b>9967</b>	037103483201	-	.111	4	102	6
$\Delta$ <b>9969</b>	037103483225	-	.183	4	102	6
<b>991</b>	037103482532	-	Regular handle	4	102	6
<b>99X5</b>	037103482501	-	Extension	4	102	6

$\Delta$  = Made to order, contact customer service for delivery.

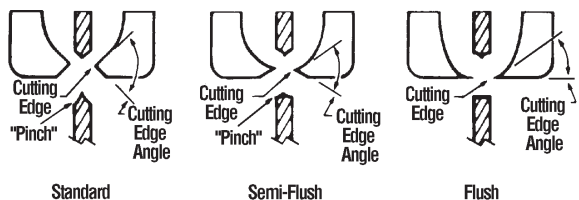
# Electronic Assembly Tools Plier Selection Information

## General

When selecting electronic cutting pliers, you should attempt to minimize your cost per cut by selecting the proper tool for each application. The type of cut, cutting area access, cutting edge quality and user preference will influence your choice.

## Type of Cut

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



**Standard** cutting edges should be used for applications that are not sensitive to either the amount of shock transmitted through the wire to the component (during cutting) or to the amount of "pinch" left on the wire tip (after cutting).

**Semi-flush** edges can be employed for most applications. They reduce shock transmittal and wire tip "pinch."

**Flush** edges should be selected only for delicate applications, which require minimal shock transmittal and wire tip "pinch." Flush cutters produce a clean cut, which facilitates soldering and increases connection reliability. With small cutting edge angles, the life of flush cutters is substantially less than that of semi-flush cutters. The larger the cutting edge angle, the more cuts you can expect from the tool. For electronic assembly work, the semi-flush cutter is often the most cost-effective choice.

## Cutting Area Access

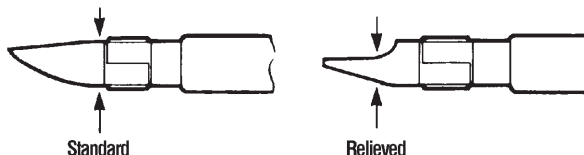
Access to cutting areas can determine the shape and thickness of the cutting head. Tight clearances around the cutting area, the need to reach over in-place components or to work from directly above, and visibility requirements are all factors which will affect your choice of a tool. However, it is important to recognize that head shape and thickness are directly related to cutting edge life.



## Head Shape

Always select a cutter with the largest head that will meet your particular cutting requirements. It is a proven fact that more material behind the cutting edges gives more cuts and longer life.

Oval head cutters are the most versatile. They have the most material behind the cutting edges, and last longest. Tapered and angled head cutters should be selected only when access to the cutting area is limited. These cutters have less head mass, and provide proportionally fewer cuts.



## Head Thickness

Head thickness is related to cutting life in the same way as head shape. Cutting pliers with thicker heads also last longer. Whenever possible, use pliers with standard head thickness. Relieved head designs should be chosen only to accommodate difficult access problems.

## Cutting Edge Quality

The quality of a pair of cutting pliers can be determined by visual inspection. The blades should meet smoothly and evenly at the tips. From a point just behind the tips to the joint, an increasing amount of light should be visible.



A precision tip interface assures clean cutting of fine wires, while the "no contact" area behind the tips extends cutter life by allowing the tips to continue to meet as they wear.

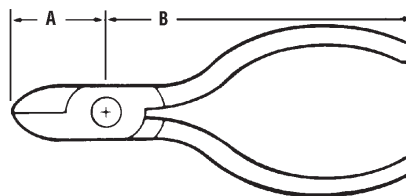
## User Preference

Other considerations can be a matter of personal preference. Handle shape, grip color, grip material, spring tension and leverage ratio are usually related to user comfort.

Proper spring tension will allow pliers to open and close with minimum effort. Finally, pliers with high leverage ratios provide the greatest ease of use and the longest life.

## Leverage Ratio

Leverage ratio is obtained by dividing dimension A into dimension B.





## Cutting capability guide

\* Maximum Tensile Strength

Catalog Number	Flush Edge	Semi-Flush Edge	Standard Edge	36 Ga. (.005) Teflon Coated Copper Wire	25 Ga. (.017) Soft Copper Wire	22 Ga. (.025) Soft Copper Wire	20 Ga. (.034) *90,000 PSI Steel Wire	20 Ga. (.034) *120,000 PSI Steel Wire	18 Ga. (.047) *200,000 PSI Steel Wire
EC54J	•				•	•	•		
EGA54J	•				•	•	•		
EMS543J	•				•	•	•		
EMS549J	•				•	•	•		
EMS54		•				•		•	
GA54J	•				•	•	•		
LC665J	•				•	•	•		
MS54			•				•		•
MS543J	•				•	•	•		
MS545		•				•		•	
MS545J	•				•	•	•		
MS549J	•				•	•	•		
S1415NJS	•				•	•	•		
S424NJS	•				•	•	•		
S54N				•			•		•
S54NKS		•				•		•	
S54NS			•			•			•
S55N				•			•		•
S55NKS		•				•		•	
S55NS			•			•			•
SN54			•				•		•
SN55			•				•		•
TC55			•				•		•

## Xcelite® Electronic Pliers

### Provide the ultimate in precision plier

- Manufactured to the highest professional quality
- Easily handles a wide range of electronic assembly requirements
- Smooth, easy-working, corrosion-proof joint
- Maintains perfect cutting edge and tip alignment
- All Xcelite® cutters and pliers are standard with ESD safe cushion grip handles. Exception: red grip products

# Xcelite® Diagonal Cutting Pliers

FLUSH OR SEMI-FLUSH CUTTING EDGES HANDLE MOST CUTTING REQUIREMENTS

CUTTING EDGES MACHINE GROUND AND ELECTRONICALLY HARDENED FOR EXTENDED LIFE

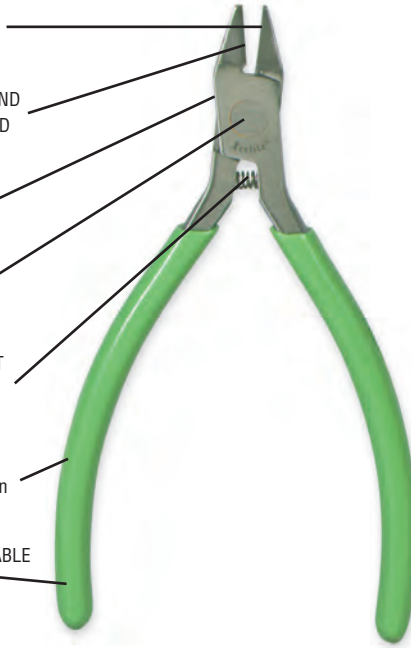
FORGED ALLOY STEEL WITH POLISHED HEAD FOR HIGH DURABILITY

STEEL RIVET FOR SMOOTH OPERATION AND LONG LIFE

HANDLE COIL SPRINGS FOR FAST CUTTING ACTION (Standard on all Models)

ESD SAFE CUSHION GRIPS FOR MAXIMUM COMFORT (Standard on all Models)

"ACCU-LITE" GRIPS ALSO AVAILABLE ON MANY MODELS



## Pliers Features and Benefits

- Lightweight, miniature plier line. Includes versatile selection of diagonal, angular, tip and end cutters plus wiring and assembly tools.
- Choice of oval, tapered, relieved and angled head designs for general or confined area cutting.
- Full flush or semi-flush cutting edges machine ground and electronically hardened for extended life in cutting either hard or soft wires.
- Needle nose styles include long, short, curved, flat and round to handle most forming, looping, twisting, insertion and pickup jobs.
- Steel joint maintains perfect cutting edge and tip alignment to maximize operational consistency and tool life.
- Handle coil springs, allow faster cutting action with reduced user fatigue.
- Forged from high quality alloy steel for maximum strength and durability.
- Precision ground to close tolerances, individually finished and tested to ensure exact fit of jaws.
- Polished heads with gun metal handles.

	<b>⚠ WARNING</b> Handles Are NOT Electrically Insulated Beyond ESD Protection
	<b>⚠ AVERTISSEMENT</b> Les manches ne sont pas isolés électrique-ment au-delà de la protection DES
	<b>⚠ ADVERTENCIA</b> El mango no es aislante más allá de la protección ESD

	<b>⚠ WARNING</b>	<b>⚠ AVERTISSEMENT</b>	<b>⚠ ADVERTENCIA</b>
	Risk Of Eye Injury Wear ANSI Approved Eye Protection	Risque de dommages d'oeil Protection d'oeil approuvée de l'usage A.N.S.I.	Riesgo de lesión del ojo Protección de ojo aprobada del desgaste ANSI



## Accu-Lite Handles Meet The Optimum Criteria For Hand Tools:

THUMB FLAIR INCREASES TOOL CONTROL

EXCLUSIVE, SOFT, NON-SLIP FOAM GRIPS PROVIDE POSITIVE GRIPPING AND MAXIMUM COMFORT

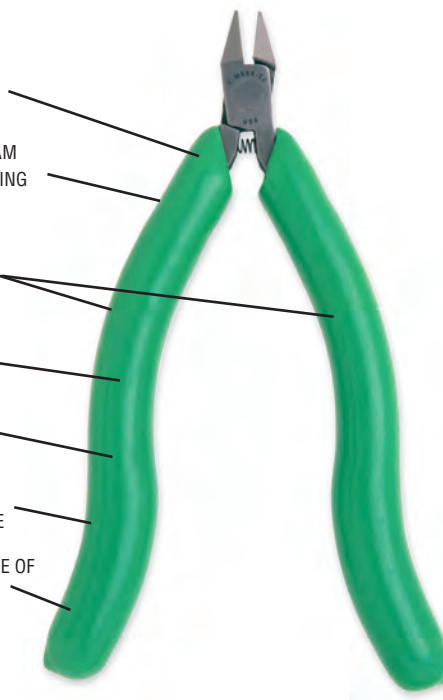
IDENTICALLY FORMED HANDLES ALLOW EITHER RIGHT OR LEFT-HAND USE

ANTI-STATIC GRIP MATERIAL DISSIPATES STATIC CHARGES

SOIL RESISTANT SURFACE EXTENDS GRIP LIFE

CONCAVE CONFIGURATION DISPERSES GRIPPING PRESSURE

EXTENDED HANDLE PERMITS USE OF ALL FINGERS

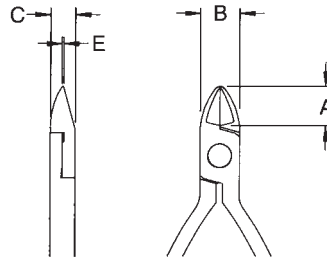


- **Lightweight construction**
- **Extended handle length** allows even application of force from all four fingers.
- **Exclusive, smooth, soft foam cushion grips** are free of abrupt edges and finger indentations.
- **Grip material is non-slip and compressible** to allow positive gripping and to absorb mechanical shock.
- **Handle contours adaptable for either right or left-hand use.**



### Oval Head Cutter - Semi-flush

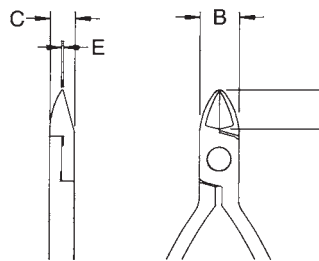
- Diagonal cutting pliers/semi-flush
- General-purpose cutting
- Oval head for long life
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
MS54	043127069451	Bagged	4	100	13/32	10	7/16	11	9/32	7	1/32	.8	.78	354	6
MS54V	043127085444	Carded	4	100	13/32	10	7/16	11	9/32	7	1/32	.8	.78	354	6

### Oval Head Cutter - Flush

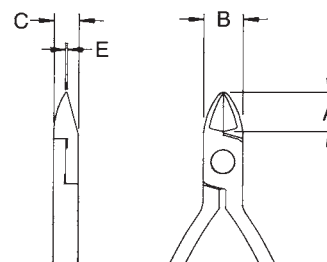
- Oval head diagonal cutter
- Flush cutting
- General use
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
MS54J	043127160448	Bagged	4	100	13/32	10	7/16	11	9/32	7	1/32	.8	1.11	504	6

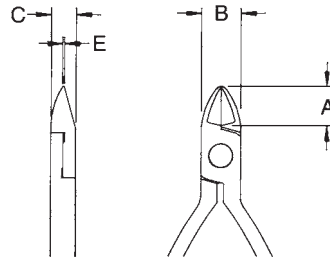
### Tapered Head Cutter - Flush

- Tapered head diagonal cutter
- Flush cutting of leads in restricted spaces
- Narrow tips give increased clearance
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
MS549J	043127170508	Bagged	4	100	15/32	12	7/16	11	9/32	7	3/64	1	.96	435	6
MS549JV	043127085420	Carded	4	100	15/32	12	7/16	11	9/32	7	3/64	1	.96	435	6

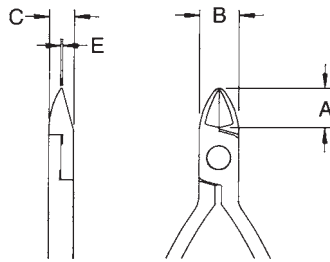
## Oval Head Diagonal Cutter



- Oval head diagonal cutter
- Semi-flush cutting
- General-purpose cutting of steel wires
- **Accu-Lite handles** (see page 321)

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
EMS54	043127104374	Bagged	5 1/2	138	13/32	10	7/16	11	9/32	7	1/32	.8	.96	435	6

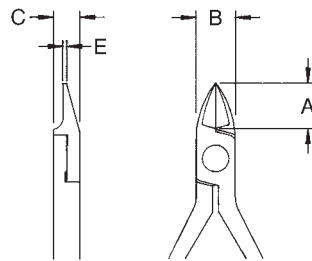
## Tapered Head Diagonal Cutter



- Tapered head diagonal cutter
- Flush cutting
- **Accu-Lite handles** (see page 321)

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
EMS549J	043127104343	Bagged	5 1/2	138	15/32	12	7/16	11	9/32	7	3/64	1	.78	354	6

## Relieved Tapered Head Cutter

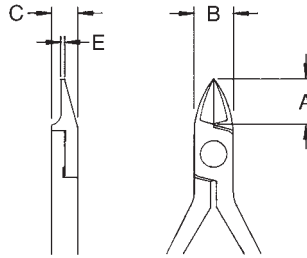


- Diagonal cutting pliers
- Relieved tapered head-flush cutter
- Allows use between closely spaced components
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
MS543J	043127170676	Bagged	4	100	15/32	12	7/16	11	9/32	7	3/64	1	.78	354	6
MS543JV	037103129086	Carded	4	100	15/32	12	7/16	11	9/32	7	3/64	1	.78	354	6

## Relieved Tapered Head Diagonal Cutter

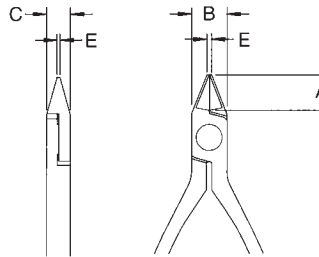
- Relieved tapered head diagonal cutter
- Flush cutting
- Clears closely spaced components
- **Accu-Lite handles (see page 321)**



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
EMS543J	043127104329	Bagged	5 1/2	138	15/32	12	7/16	11	9/32	7	3/64	1	.78	354	6

## Slim Line Tapered Head Cutter

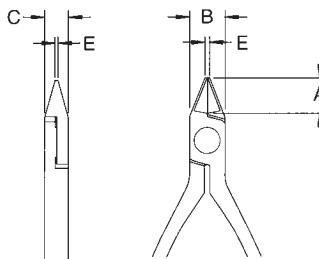
- Diagonal cutting pliers
- Slim line tapered head
- Semi-flush cutting
- Features green cushion grip



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
MS545	043127069482	Bagged	4	100	13/32	10	7/16	11	9/32	7	1/16 x 1/32	1.5 x .9	.78	354	6
MS545V	037103129116	Carded	4	100	13/32	10	7/16	11	9/32	7	1/16 x 1/32	1.5 x .9	.96	435	6

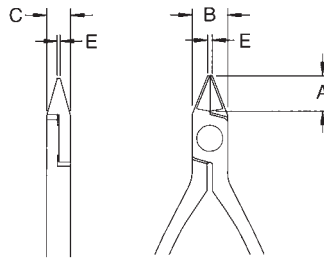
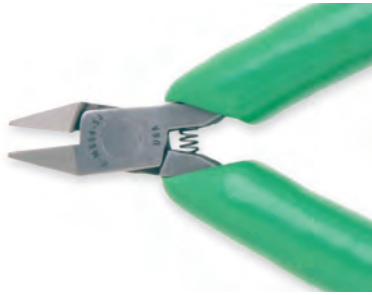
## Slim Line Tapered Head Cutter

- Diagonal cutting pliers
- Slim line tapered head
- Flush cutting
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
MS545J	043127170713	Bagged	4	100	13/32	10	7/16	11	9/32	7	1/16 x 1/32	1.5 x .9	1.01	458	6
MS545JV	043127086038	Carded	4	100	13/32	10	7/16	11	9/32	7	1/16 x 1/32	1.5 x .9	1.01	458	6

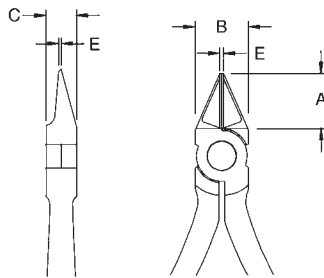
## Slim Line Tapered Diagonal Cutter



- Slim line tapered diagonal cutter
- Flush cutting
- Allows use between closely spaced components
- **Accu-Lite handles** (see page 321)

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
EMS545J	043127104336	Bagged	5 1/2	138	13/32	10	7/16	11	9/32	7	1/32	.8	.78	354	6

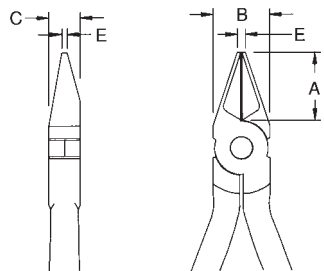
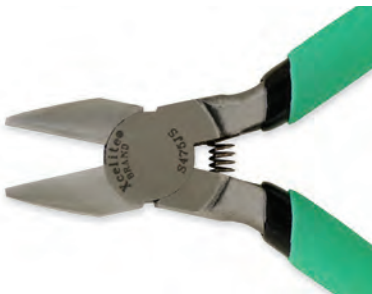
## Relieved Head Diagonal Cutter



- Relieved tapered head diagonal cutter
- Flush cutting
- For use in limited access areas
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
S424NJS	037103213624	Boxed	4	100	5/8	16	37/64	15	5/16	8	3/64 x 1/32	1 x .8	1.33	603	6
S424NJSV	037103213631	Carded	4	100	5/8	16	37/64	15	5/16	8	3/64 x 1/32	1 x .8	1.33	603	6

## Tapered Head Diagonal Cutter

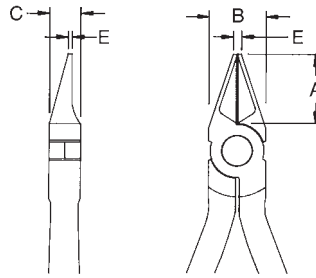


- Tapered head diagonal cutter
- Flush cutting
- Used for cutting component leads
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
S475NJS	037103213273	Bagged	5	125	3/4	19	19/32	15	3/8	10	3/32 x 1/16	2 x 1.5	1.47	667	6
S475NJSV	037103213228	Carded	5	125	3/4	19	19/32	15	3/8	10	3/32 x 1/16	2 x 1.5	1.47	667	6

## Tapered Relieved Head Diagonal Cutter

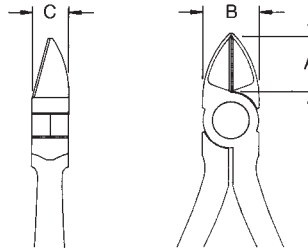
- Tapered relieved head diagonal cutter
- Flush cutting
- For use in limited access areas
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
S1415NJS	037103213235	Boxed	5	125	49/64	19	19/32	15	3/8	10	3/32 x 3/64	2 x 1	1.5	680	6

## Diagonal Lead Cutter

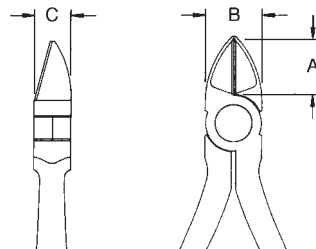
- Oval head
- Diagonal lead cutter
- Heavy-duty cutting
- Standard beveled edge
- Features green cushion grips
- S54S same as S54 plus handle coil spring



Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
S54N	037103213648	Bagged	4 1/2	112	5/8	16	37/64	15	3/8	9	1.32	599	6
S54NS	037103213679	Bagged	4 1/2	112	5/8	16	37/64	15	3/8	9	1.32	599	6
S54NSV	037103213686	Carded	4 1/2	112	5/8	16	37/64	15	3/8	9	1.32	599	6

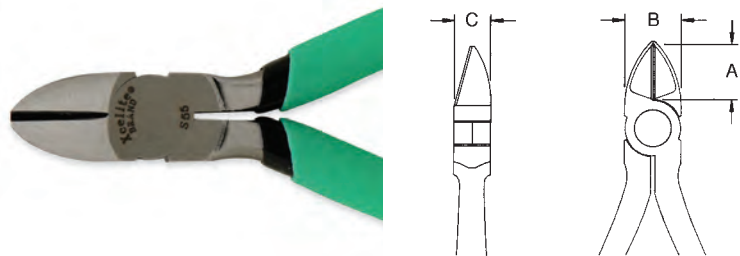
## Diagonal Lead Cutter

- Oval head
- Diagonal lead cutter with handle coil spring
- Heavy-duty cutting
- Semi-flush cutter
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
S54NKS	037103213662	Bagged	4 1/2	112	5/8	16	37/64	15	3/8	9	1.32	599	6

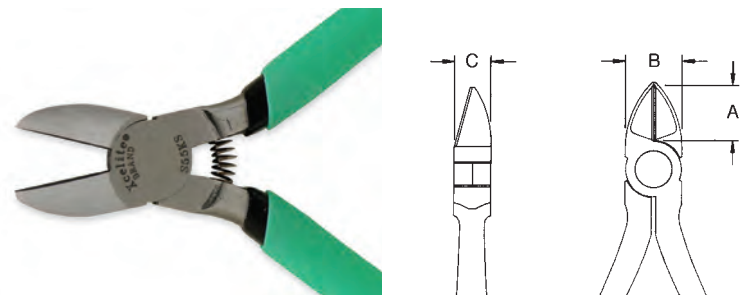
## Oval Head Diagonal Cutter



- Oval head diagonal cutter
- Regular beveled edge
- Features green cushion grips
- S55S same as S55 plus handle coil spring

Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
S55N	037103213242	Bagged	5	125	49/64	19	19/32	15	3/8	9	1.5	680	6
S55NS	037103213280	Bagged	5	125	49/64	19	19/32	15	3/8	9	1.5	680	6

## Oval Head Diagonal Cutter

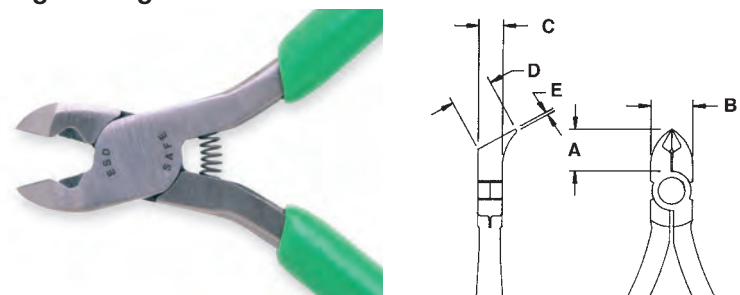


- Oval head diagonal cutter with handle coil spring
- Heavy-duty cutting
- Semi-flush cutter
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
S55NKS	037103213259	Bagged	5	125	49/64	19	19/32	15	3/8	9	1.5	680	6

## Xcelite® Diagonal End Cutter Pliers

Angled Diagonal End Cutter at 29°



- Angled diagonal end cutter at 29°
- Flush cutting
- For cutting directly above the work area
- To use on closely spaced adjacent components
- Features green cushion grips

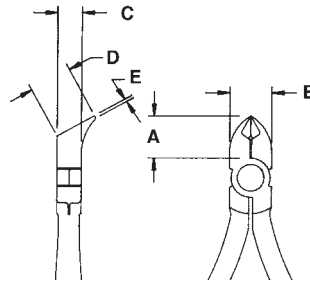
Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
GA54J	043127170331	Bagged	4	100	7/16	11	7/16	11	9/32	7	7/16	11	1/32	.8	.96	454	6
GA54JV	043127085475	Carded	4	100	7/16	11	7/16	11	9/32	7	7/16	11	1/32	.8	.96	454	6

Xcelite



## Angled Head Cutter

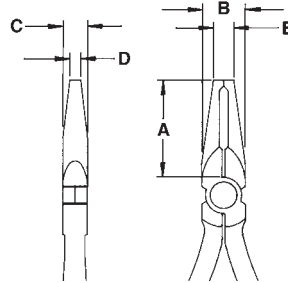
- Angled cutter
- Flush cutting edges
- Head angle allows cutting from above
- **Accu-Lite handles (see page 321)**



Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
EGA54J	043127064197	Bagged	5 1/2	138	7/16	11	7/16	11	9/32	7	7/16	11	1/32	.8	.96	454	6

## Transverse End Cutter

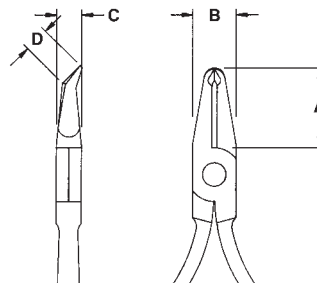
- Transverse end cutter
- Flush cutting edge
- Vertical cutting in tight spaces
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
EC54J	043127170096	Bagged	4 1/2	112	1	25	7/16	11	9/32	7	1/8	3	3/16	5	.78	354	6

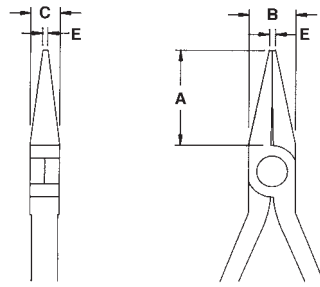
## 30° Angled Tip Cutter

- 30°Angled tip cutter
- Flush cutting in dense areas
- Thin angled nose for high visibility
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		D		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
LC665J	043127062742	Bagged	4 1/2	112	29/32	23	1/2	13	19/64	7	1/4	6	.96	454	6

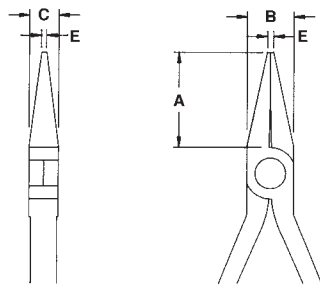
## Diagonal Chain Nose Pliers - Short Chain Nose Pliers



- Short chain nose pliers
- Serrated jaws
- Heavy-duty
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
LN225	043127063138	Bagged	5	125	1 9/64	29	17/32	14	9/32	7	1/16 x 1/16	1.5 x 1.5	1.14	517	6

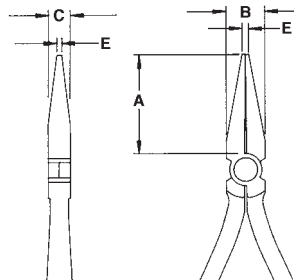
## 60° Curved Nose Pliers



- Curved nose pliers
- Thin tip
- Features green cushion grips
- CN255G features smooth jaws
- CN255 features fine serrated jaws

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
CN255	043127063022	Bagged	5	125	1 15/64	31	27/64	11	9/32	7	3/64	1	.90	408	6
CN255V	037103129147	Carded	5	125	1 15/64	31	27/64	11	9/32	7	3/64	1	.90	408	6
CN255G	043127063091	Bagged	5	125	1 15/64	31	27/64	11	9/32	7	3/64	1	.90	408	6

## Diagonal Long Needle Nose Pliers - Thin Long Nose Pliers



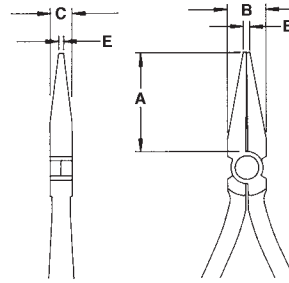
- Thin long nose pliers
- General-purpose use
- Serrated jaws
- For pick-up and wire forming
- Features green cushion grips
- LN54CS packaged on a clip strip merchandising wand

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
LN54	043127170003	Bagged	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6
LN54V	043127085468	Carded	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6

Xcelite

## Thin Long Nose Pliers - Fine Point

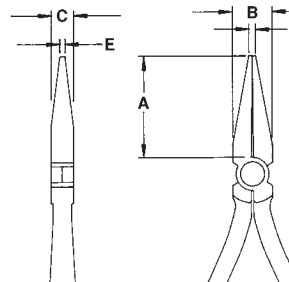
- Thin long nose pliers
- Fine point for precision work
- For pick-up and wire forming
- Serrated jaws
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
LN542	043127170065	Bagged	5	125	1 3/16	30	7/16	11	9/32	7	3/64 x 1/32	1.2 x .8	.96	435	6

## Thin Long Nose Pliers - Smooth Jaws

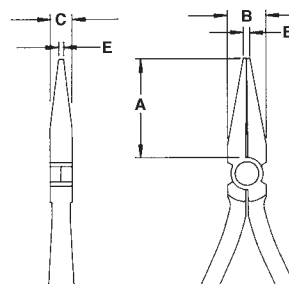
- Thin long nose pliers with smooth jaws
- General-purpose use
- For pick-up and wire forming
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
LN54G	043127170027	Bagged	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	1.14	517	6
LN54GV	037103129154	Carded	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	1.14	517	6

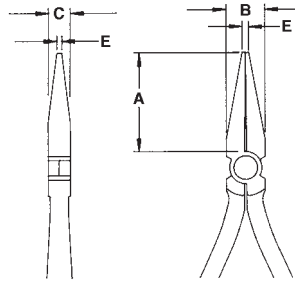
## Thin Long Nose Pliers

- Thin long nose pliers
- General-purpose use pick-up and wire forming
- ELN54 features fine serrated jaws
- ELN54G features smooth jaws
- **Accu-Lite handles (see page 321)**



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
ELN54	043127170010	Bagged	6 1/2	163	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6
ELN54G	043127104350	Bagged	6 1/2	163	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6

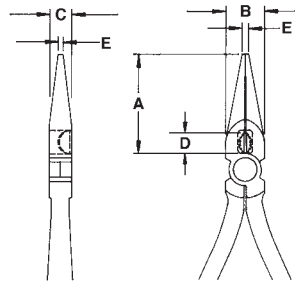
## Thin Long Nose Pliers



- Thin long nose pliers
- General-purpose
- Fine serrated jaws
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
LN55	043127068997	Bagged	5 1/2	138	1 11/16	43	17/32	14	9/32	7	5/64 x 1/16	2 x 1.6	1.5	680	6
LN55V	037103129161	Carded	5 1/2	138	1 11/16	43	17/32	14	9/32	7	5/64 x 1/16	2 x 1.6	1.5	680	6

## Long Nose Side Cutting Pliers

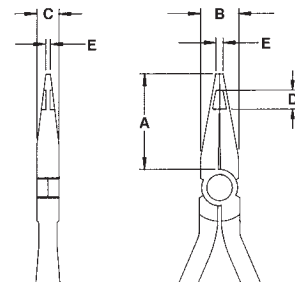


- Long nose side cutting pliers
- For general wire applications
- For reaching into confined working spaces
- Serrated jaws
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
SN54	043127170225	Bagged	5	125	1 3/16	30	17/32	14	9/32	7	1/4	6	5/64 x 1/16	2 x 1.6	.96	435	6
SN55	043127170249	Bagged	5 1/2	138	1 11/16	43	17/32	14	9/32	7	3/8	10	5/64 x 1/16	2 x 1.6	1.32	599	6
SN55V	037103129185	Carded	5 1/2	138	1 11/16	43	17/32	14	9/32	7	3/8	10	5/64 x 1/16	2 x 1.6	1.32	599	6

## Wiring Pliers with Tip Cutter

Xcelite

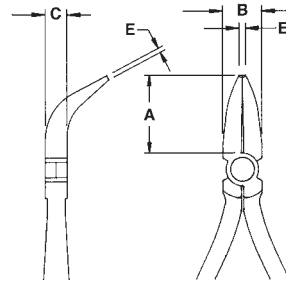


- Wiring pliers with tip cutter
- Long nose
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g			
TC55	043127070587	Bagged	5 1/2	138	1 1/4	32	17/32	14	9/32	7	1/4	6.4	3/32 x 1/16	2.4 x 1.6	1.33	603	6

## 60° Curved Long Nose Pliers

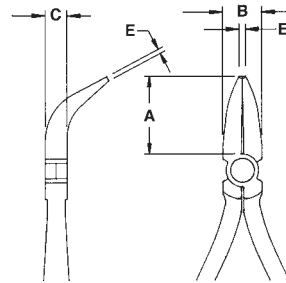
- 60° curved long nose pliers
- Smooth jaws
- For reaching between closely spaced components
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
CN54G	043127170423	Bagged	5	125	15/16	24	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	1.14	517	6

## 45° Curved Long Nose Pliers

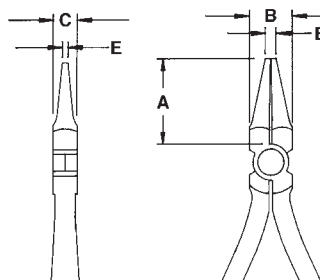
- 45° curved long nose pliers
- Smooth jaws
- For reaching over assembled components in confined areas
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
CN55G	043127170140	Bagged	5 1/2	138	1 9/16	40	7/32	14	9/32	7	5/64 x 1/16	2 x 1.6	1.5	680	6

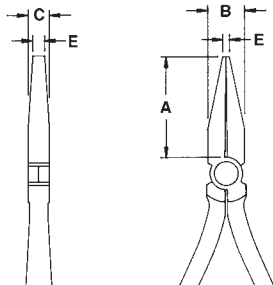
## Round Nose Pliers

- Round nose pliers
- Round, smooth jaws tapered to point
- For looping and forming of fine wire
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
RN54	043127170966	Bagged	4 1/2	113	7/8	22	7/16	11	9/32	7	1/8 x 1/16	3 x 1.6	.96	435	6

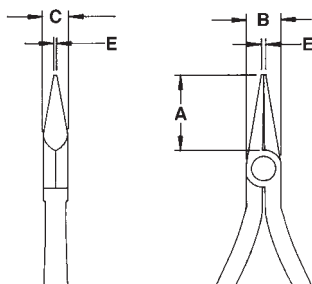
## Flat Nose Pliers



- Flat nose pliers
- Smooth jaws
- For holding and forming wire and small parts
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
DN54G	043127170461	Bagged	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 9/64	2 x 3.6	1.11	504	6
DN54GV	037103129093	Carded	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 9/64	2 x 3.6	1.11	504	6

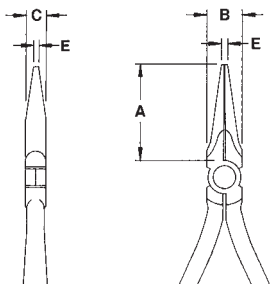
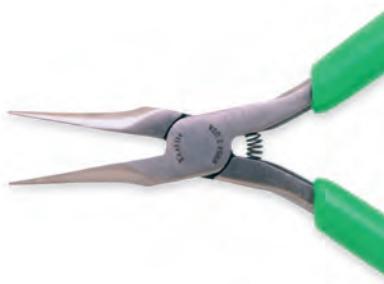
## Subminiature Needle Nose Pliers



- Subminiature needle nose pliers
- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas
- L4 features serrated jaws
- L4G features smooth jaws
- Features green cushion grips
- L4CS packaged on a clip strip merchandising wand

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
L4	043127161049	Bagged	4	100	13/16	21	3/8	10	9/32	7	3/64 x 1/32	1.2 x .8	.78	354	6
L4V	043127085482	Carded	4	100	13/16	21	3/8	10	9/32	7	3/64 x 1/32	1.2 x .8	.78	354	6
L4G	043127161056	Bagged	4	100	13/16	21	3/8	10	9/32	7	3/64 x 1/32	1.2 x .8	.78	354	6

## Fine Point Needle Nose Pliers



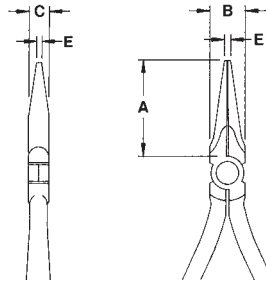
- Fine point needle nose pliers
- Positive gripping of fine wires or subminiature components
- Long, thin nose with fine serrated jaws
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
NN542	043127170126	Bagged	5	125	1 3/16	30	7/16	11	9/32	7	3/64 x 1/32	1.2 x .8	.96	435	6

Xcelite

## Slim Line Needle Nose Pliers

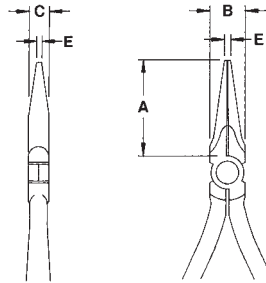
- Slim line needle nose pliers
- For use between tightly spaced components
- NN54, NN55, feature serrated jaws
- NN54G, NN55G feature smooth jaws
- Features green cushion grips



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
NN54	043127170898	Bagged	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6
NN54V	043127089499	Carded	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6
NN54G	043127170911	Bagged	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6
NN54GV	037103129130	Carded	5	125	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6
NN55	043127170669	Bagged	5 1/2	138	1 11/16	43	15/32	12	1/4	6	5/64 x 1/16	2 x 1.6	1.32	5.99	6
NN55V	037103129468	Carded	5 1/2	138	1 11/16	43	15/32	12	1/4	6	5/64 x 1/16	2 x 1.6	1.32	5.99	6
NN55G	043127170935	Bagged	5 1/2	138	1 11/16	43	15/32	12	1/4	6	5/64 x 1/16	2 x 1.6	1.32	5.99	6

## Fine Point Needle Nose Pliers

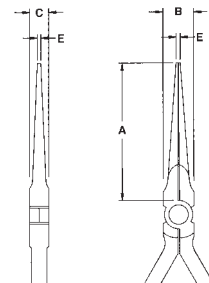
- Fine point needle nose pliers
- Positive gripping of fine wires or subminiature components
- Long, thin nose with fine serrated jaws
- **Accu-Lite handles (see page 321)**



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
ENN54	043127170904	Bagged	6 1/2	163	1 3/16	30	7/16	11	9/32	7	5/64 x 1/16	2 x 1.6	.96	435	6

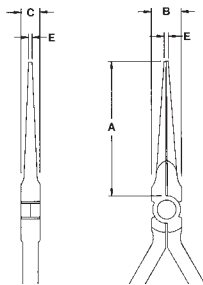
## Long Nose Wiring and Pick-up Pliers

- Wiring and pick-up pliers
- With alignment pin
- Long nose design
- Features green cushion grips
- Serrated jaws



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
LN774512	043127063077	Bagged	5 1/2	138	1 3/4	45	15/32	12	1/4	6	5/64 x 1/16	2 x 1.5	1.08	490	6

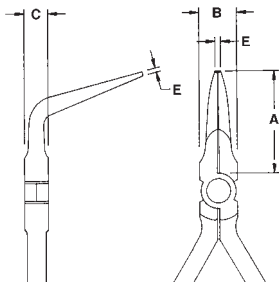
## Slim Line Long Needle Nose Pliers



- Slim line needle nose pliers
- Fine tip
- LN775512 features serrated jaws
- LN775512G features smooth jaws
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
LN775512	043127063121	Bagged	5 1/2	138	1 3/4	45	15/32	12	1/4	6	5/64 x 1/16	2 x 1.5	1.14	517	6
LN775512V	037103129499	Carded	5 1/2	138	1 3/4	45	15/32	12	1/4	6	5/64 x 1/16	2 x 1.5	1.14	517	6
LN775512G	043127079665	Bagged	5 1/2	138	1 3/4	45	15/32	12	1/4	6	5/64 x 1/16	2 x 1.5	1.14	517	6

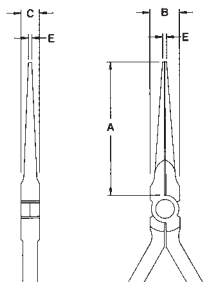
## 60° Curved Long Nose Pliers



- Curved long nose pliers
- For reaching into confined spaces
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
CN7776	043127063060	Bagged	6	150	1 23/64	35	15/32	12	1/4	6	1/16 x 1/16	1.5 x 1.5	1.35	612	6

## Long Needle Nose Pliers



- Long needle nose pliers
- Extra long nose
- NN7776 features serrated jaws
- NN7776G features smooth jaws
- Features green cushion grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
NN7776	043127063008	Bagged	6	150	2 5/16	59	15/32	12	1/4	6	0.08 x 5/64	2 x 2	1.32	599	6
NN7776V	037103129482	Carded	6	150	2 5/16	59	15/32	12	1/4	6	0.08 x 5/64	2 x 2	1.32	599	6
NN7776G	043127083297	Bagged	6	150	2 5/16	59	15/32	12	1/4	6	0.08 x 5/64	2 x 2	1.32	599	6



## Pliers Kit - Electronics Handy Pack Assortment

- A compact kit designed for the sophisticated electronics technician or dedicated hobbyist
- Consists of the six most popular electronics pliers
- Durable pocket-pouch with heavy-duty snaps

**Kit Includes:**

- EC54J 4 1/2" Transverse end cutting pliers
- MS54 4" Diagonal cutting pliers
- SN54 5" Long nose pliers with side cutter
- NN54 5" Fine tip needle nose pliers
- DN54G 5" Flat nose pliers
- LN54 5" Long nose pliers
- Pocket pouch with snaps



Cat No.	UPC No.	Description	Pack Wt.		Shelf Pack
			lb	g	
C1K	043127880179	6 pc. pliers kit	1	.45	1

## Pliers Kit - Electronics Flush Cutting

- A compact kit for making flush cuts of copper wire and component leads
- An assortment of the most popular styles
- Clear plastic pouch

**Kit Includes:**

- MS54J 4" Oval head diagonal, flush cut
- MS543J 5 1/2" Relieved tapered head, flush cut
- MS545J 4" Slim line tapered head, flush cut
- GA54J 4" Angled diagonal end cut



**NEW PRODUCT**

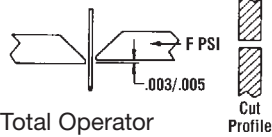


Cat No.	UPC No.	Description	Pack Wt.		Shelf Pack
			lb	g	
C2K	037103201911	4 pc. pliers kit	0.49	0.22	1

# Electronic Shearcutters and Pliers

## Superior Quality and Value

### Shear Cut

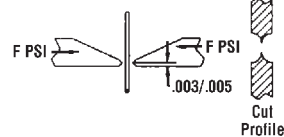


Total Operator

$$\text{Force} = \text{Less Than } 1/2 F$$

In shearcutting, one edge acts as an anvil while the other edge shears off the lead.

### Crush Cut



Total Operator Force = F

- Xcelite's Shearcutter flush cutting tools require less than half the operator force of most wire and lead cutting tools and transmit proportionately less shock to the component
- As a result, they comply with MIL-STD-2000, DOD-STD-2000 and WS-6536E standards
- Grips are molded of wide, shock absorbing material for operator comfort
- Models 175 and 2178 incorporate safety clips which effectively eliminate flying leads
- However, safety glasses are still recommended when using these tools



Shearcutter  
170/175



Heavy-Duty  
Shearcutter  
1178/2178



Plier  
378

## Product features



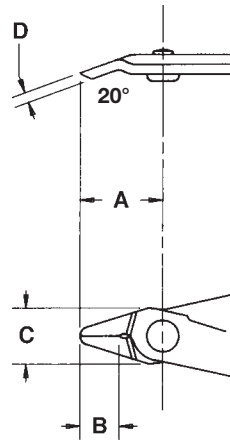
- Shearcutter — Red grips (Suffix "M")
- Advanced handle design
  - Made from high quality carbon steel
  - Non-glare black finish
  - Superior shearing action



- Static-dissipative pliers — black grips (Suffix "D")
- Advanced handle design
  - Specially hardened and plated
  - Non-glare black finish
  - Superior shearing action

## Shearcutter - General-purpose

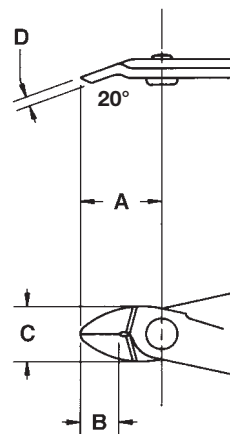
- Low profile, general-purpose cutter
- Superior blade by-pass shear cutting action
- Better cuts with half the effort
- Greatly reduced mechanical shock delivered to the work
- 170M, 175M feature red grips
- 170D, 175D feature static-dissipative black grips
- 175M, 175D feature safety clips
- 170D, 175D especially hardened and plated
- Flush cuts soft wire up to 20 AWG (0.8mm)



Cat No.	UPC No.	Packed	Length		A		B		C		D		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
170M	037103029959	Carded	5	127	3/4	19	11/32	9	1/2	13	5/64	2	1.5	680	6
170D	037103029935	Carded	5	127	3/4	19	11/32	9	1/2	13	5/64	2	1.5	680	6
175M	037103030023	Carded	5	127	3/4	19	11/32	9	1/2	13	5/64	2	1.5	680	6
175D	037103030009	Carded	5	127	3/4	19	11/32	9	1/2	13	5/64	2	1.5	680	6

## Shearcutter - Heavy-duty

- Heavy-duty for IC pins, cables and harnesses
- Maximum durability
- Safety clip (on some models) prevents flying leads
- Maximum operator safety
- 1178M, 2178M feature red grips
- 1178D, 2178D feature static-dissipative black grips
- 2178M, 2178D feature safety clips
- 1178D, 2178D especially hardened and plated
- Flush cuts soft wire up to 14 AWG (1.6mm)



Cat No.	UPC No.	Packed	Length		A		B		C		D		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
1178M	037103030825	Carded	5 5/8	143	29/32	23	13/32	10	17/32	14	1/8	3	1.62	735	6
1178D	037103030801	Carded	5 5/8	143	29/32	23	13/32	10	17/32	14	1/8	3	1.62	735	6
2178M	037103039590	Carded	5 5/8	143	29/32	23	13/32	10	17/32	14	1/8	3	1.62	735	6
2178D	037103031648	Carded	5 5/8	143	29/32	23	13/32	10	17/32	14	1/8	3	1.62	735	6

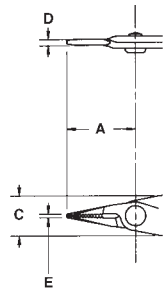
## 2 Piece Shearcutter / Plier Set



- The most popular all-purpose miniature electronic flush cutter and needle-nose plier
- Superior overall quality
- Advanced handle design
- Highest quality carbon steel
- Non-glare black finish
- Lightweight construction

Cat No.	UPC No.	Description	Pack Wt.		Shelf Pack
			lb	g	
S2K	043127131790	Carded	2 piece set (170M and 378M) 10 each sets/case cut pack		10

## Pliers - Serrated and Smooth Jaws




- Thin profile, long reach pliers
- For access into tight spaces
- Lightweight for maximum comfort
- For use in precision electronic assembly applications
- 378M, 378D feature serrated jaws
- 378SMM, 378SMD feature smooth jaws
- 378M, 378SMM feature light red grips
- 378D, 378SMD feature static-dissipative black grips and especially hardened and plated

Cat No.	UPC No.	Packed	Length		A		C		D		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
378M	037103030252	Carded	5 1/2	140	1 1/2	32	17/32	14	1/8	3	3/64	1.2	1.62	735	6
378D	037103030238	Carded	5 1/2	140	1 1/2	32	17/32	14	1/8	3	3/64	1.2	1.62	735	6
378SMM	037103030320	Carded	5 1/2	140	1 1/2	32	17/32	14	1/8	3	3/64	1.2	1.62	735	6
378SMD	037103030306	Carded	5 1/2	140	1 1/2	32	17/32	14	1/8	3	3/64	1.2	1.62	735	6

## Pliers and Cutters - With Red Cushion Grip Handles

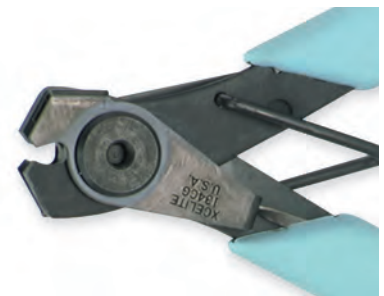
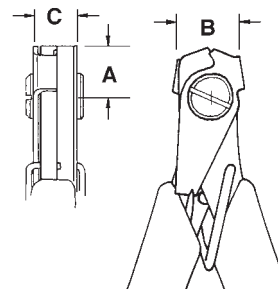
- The exceptional strength and performance of Xcelite® pliers and cutters are the result of forged alloy steel construction, precision machining, and scientific proportioning
- Handles designed to fit the hand comfortably and to provide maximum leverage
- Cleanly machined and perfectly aligned jaws grip tightly and surely while easy cutting is assured by hand-honed, mated cutting edges
- For extra working comfort all models have permanent, red plastic-coated “Cushion-Grip” handles except Combination Slip Joint pliers
- These high quality pliers and cutters are featured in Xcelite® Attaché Tool Cases



	<b>⚠ WARNING</b>	<b>⚠ AVERTISSEMENT</b>	<b>⚠ ADVERTENCIA</b>
	Risk Of Eye Injury Wear ANSI Approved Eye Protection	Risque de dommages d'oeil Protection d'oeil approuvée de l'usage A.N.S.I.	Riesgo de lesión del ojo Protección de ojo aprobada del desgaste ANSI

## Hard Wire (Piano and Music) Cutter 134CG

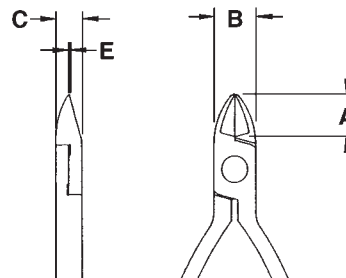
- Shear cutting action
- Ensures square cut ends
- Captures material on both sides of jaw, eliminates flying segments
- Patented spring loaded hold-down keeps material at 90° to tool blade
- Prevents material from forcing jaws apart
- Wire capacity .062
- Stranded cable capacity 1/16"



Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
134CG	037103059994	Boxed	5.45	140	0.55	14	0.72	18.5	0.32	8.2	18.4	522	6

## Diagonal Pliers 54CG

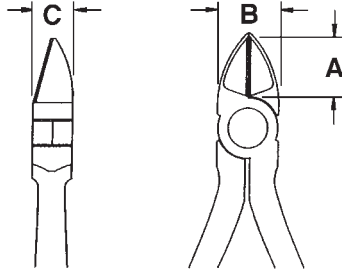
- For work in close quarters
- Oval head
- Standard beveled edges
- Forged alloy steel construction, precision machining and scientific proportioning
- Red plastic-coated cushion grip provides maximum leverage



Xcelite

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g			
54CG	037103481580	Boxed	4	100	13/32	10	7/16	11	9/32	7	1/32	0.8	12.5	354	6
54CGV	037103481597	Carded	4	100	13/32	10	7/16	11	9/32	7	1/32	0.8	12.5	354	6

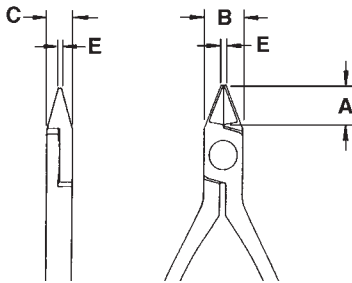
## 55NCG All Purpose Pliers



- All-purpose pliers
- Oval head
- Standard beveled edges
- Forged alloy steel construction, precision machining and scientific proportioning
- Exceptional strength and performance
- Red plastic-coated cushion grip provides maximum leverage

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
55NCG	037103213297	Boxed	5	125	3/4	19	19/32	15	3/8	10	-	-	22.2	629	6
55NCGV	037103213327	Carded	5	125	3/4	19	19/32	15	3/8	10	-	-	22.2	629	6

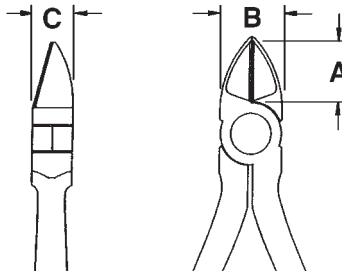
## 64CG Semi-flush Tip Cutting Pliers



- For use in close quarters and semi-flush tip cutting of fine wires
- Forged alloy steel construction, precision machining and scientific proportioning
- Exceptional strength and performance
- Red plastic-coated cushion grip provides maximum leverage
- Tapered jaw

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
64CG	037103481757	Boxed	4	100	13/32	10	7/16	11	9/32	7	1/32	0.8	12.5	354	6
64CGV	037103481764	Carded	4	100	13/32	10	7/16	11	9/32	7	1/32	0.8	12.5	354	6

## 66NCG All Purpose Pliers

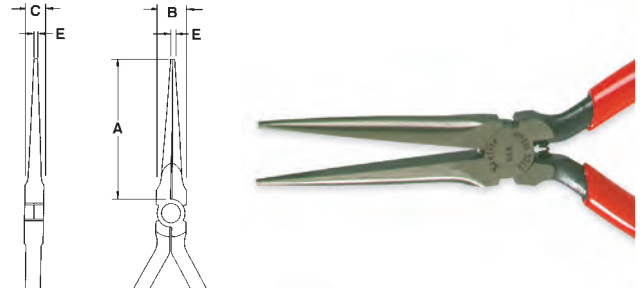


- All-purpose pliers
- Oval head
- Standard beveled edges
- Forged alloy steel construction, precision machining and scientific proportioning
- Exceptional strength and performance
- Red plastic-coated cushion grip provides maximum leverage

Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
66NCG	037103213457	Boxed	6	152	27/32	21	11/16	17	7/16	11	-	-	42.2	1196	6
66NCGV	037103213464	Carded	6	152	27/32	21	11/16	17	7/16	11	-	-	42.2	1196	6

## 57CG Standard Pliers

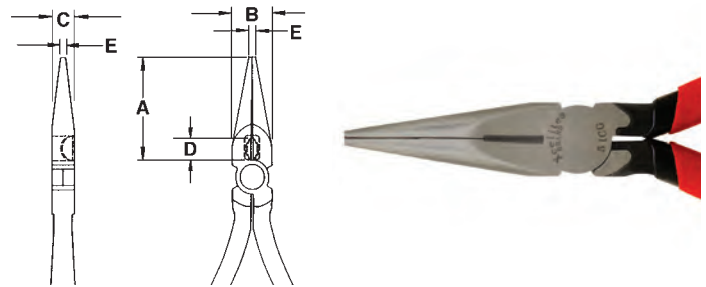
- Standard pliers
- For firm gripping and looping of wire
- Fine serrated jaw and coil spring
- Forged alloy steel construction, precision machining and scientific proportioning
- Red plastic-coated cushion grip provides maximum leverage



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
57CG	037103481641	Boxed	5 11/16	144	-	-	15/32	12	1/4	6	5/64	2	20.8	590	6
57CGV	037103481658	Carded	5 11/16	144	-	-	15/32	12	1/4	6	5/64	2	20.8	590	6

## 51NCG, 52NCG Firm Gripping and Looping Pliers

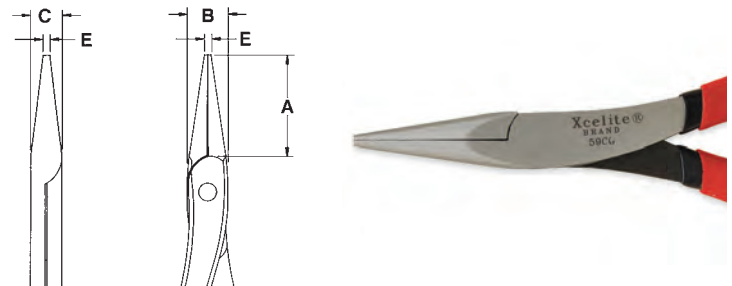
- For firm gripping and looping of wire
- Serrated jaw
- Forged alloy steel construction, precision machining and scientific proportioning
- Side cutter feature
- Red plastic-coated cushion grip provides maximum leverage
- 52NCGV without side cutter



Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g			
51NCG	037103481528	Boxed	6	152	1 7/8	48	11/16	17	3/8	10	1/2	13	3/32	2.4	36.6	1038	6
51NCGV	037103212887	Carded	6	152	1 7/8	48	11/16	17	3/8	10	1/2	13	3/32	2.4	36.6	1038	6
52NCGV	037103212931	Carded	6	152	1 7/8	48	11/16	17	3/8	10	1/2	13	3/32	2.4	36.6	1038	6

## 59NCG Electrician's Chain Nose Pliers

- Electrician's chain nose pliers
- Serrated jaw for gripping and high leverage
- Forged alloy steel construction, precision machining and scientific proportioning
- Offers long reach
- Red plastic-coated cushion grip provides maximum leverage



Cat No.	UPC No.	Packed	Length		A		B		C		E		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
59NCG	037103213730	Boxed	8	200	1 1/2	32	9/16	14	15/32	12	3/32	2.4	44.5	1262	6

## Utility Pliers 50CG Ignition Pliers



- Ignition pliers
- Narrow jaw for close work
- 3-jaw opening adjustment to 1/2"
- Forged alloy steel construction, precision machining and scientific proportioning
- Red plastic-coated cushion grip provides maximum leverage

Cat No.	UPC No.	Packed	Length		Opening		Shelf Pack
			Inch	mm	Inch	mm	
50CG	037103481504	Boxed	5	127	1/2	12.7	6
50CGV	037103481511	Carded	5	127	1/2	12.7	6

## Special Tools for Special Problems - Seizer



- Seizer forceps
- Versatile tool with unusual holding qualities
- Clamps firmly to hold wires for soldering
- Acts as a heat sink and retrieves small parts from hard-to-reach places
- Precision-machined from perfectly tempered stainless steel
- Box-joint construction
- 3-position snap lock
- Serrated jaws

Cat No.	UPC No.	Packed	Description	Length		Shelf Pack
				Inch	mm	
32H	037103481344	Boxed	Straight nose jr. seizer, smooth jaws	5.0	127	6
33HV	037103481375	Carded	Curved nose jr. seizer, smooth jaws	5.0	127	6
42HV	037103481412	Carded	Straight nose seizer, serrated jaws	5.5	140	6
43HV	037103481436	Carded	Curved nose seizer, serrated jaws	5.5	140	6

## Wire Strippers & Cutters with Cushion Grip Handles 100X



- Cuts and strips both solid and stranded wire cleanly, neatly
- Adjustable screw stop for different wire sizes
- Hardened with ground blades
- 101S specifications same as 100X except with spring-equipped self-opening handles
- Red plastic-coated cushion grip provides maximum leverage

Cat No.	UPC No.	Packed	Description	Length		Shelf Pack
				Inch	mm	
100X	037103483560	Boxed	Stripper, cutter, 8 AWG - 22 AWG	5	127	6
100XV	037103483577	Carded	Stripper, cutter	5	127	6
101S	037103483584	Boxed	Stripper, cutter-spring opening	5	127	6
101SV	037103483591	Carded	Stripper, cutter-spring opening	5	127	6



## 103S Wire Stripper

- For industrial use
- Unique cam stop adjustment for different wire sizes, stays put even with screw loose
- Red plastic-coated cushion grip provides maximum leverage
- 8 - 22 AWG



Cat No.	UPC No.	Packed	Length		Shelf Pack
			Inch	mm	
103S	037103483607	Boxed	5 1/4	133	6
103SV	037103483614	Carded	5 1/4	133	6

## 104CG Wire Stripper and Cutter

- For copper and aluminum wire 10-22 AWG
- Wide size-range bolt cutter / Screw sizing stations
- Scissors-action, up-front wire cutting and wire stripping
- Pliers nose
- Hardened pivot joint bushing and crimp stations
- Red cushion grip handle provides maximum leverage



Cat No.	UPC No.	Packed	Length		Shelf Pack
			Inch	mm	
104CG	037103486820	Boxed	8 1/4	210	6
104CGV	037103486837	Carded	8 1/4	210	6

## 105CG Electrical Pliers

- Wire cutting and stripping edges conveniently located in front of pivot to allow use in tight places
- Needle nose pliers add wire pulling and bending capabilities
- Scissors-action stripper for cleaner, faster and more accurate stripping
- Serrated edge
- Xcelite® Catalog No. 105SCGV includes work-speeding automatic spring and lock
- Red cushion grip handle provides maximum leverage
- For copper and aluminum wire 10-22 AWG



Cat No.	UPC No.	Packed	Description	Length		Shelf Pack
				Inch	mm	
105CG	037103486974	Boxed	Stripper, cutter without spring and lock	6	150	6
105CGV	037103486981	Carded	Stripper, cutter without spring and lock	6	150	6
105SCGV	037103487001	Carded	Stripper, cutter-spring opening and lock	6	150	6

## Snips



- Shearing action of 1 1/2"/38mm cut pointed blades prevents peaks on fine wires and filaments
- Useful for removing insulation and cutting light sheet metal
- Coil spring opens blades
- Safety latch
- Red plastic-coated cushion grip provides maximum leverage

Cat No.	UPC No.	Packed	Length		Opening		Shelf Pack
			Inch	mm	Inch	mm	
86CG	037103482129	Boxed	6 1/2	165	1 1/2	38	6
86CGV	037103482136	Carded	6 1/2	165	1 1/2	38	6

## XL70 Offset Ratchet Screwdriver Set



- 19-piece midget, offset, reversible ratchet set
- All-purpose driver bits 1/4"/6mm hex shank
- Simple and easy-to-use for assembly, disassembly, adjustment and repair work involving Allen hex, Phillips® and slotted screws

Cat No.	UPC No.	Packed	Length		Description	Shelf Pack
			Inch	mm		
XL70	037103486691	Boxed	-	-	Complete set	1

## XL75 Offset Ratchet Screwdriver Set



- 5-piece set
- Driver bits 1/4"/6mm hex shank
- See-through plastic pouch
- Slotted 3/16" - 1/4"
- Phillips® screw bit #1 and #2

Cat No.	UPC No.	Packed	Description	Shelf Pack
XL75	037103486707	Boxed	Complete set	1
XL75V	037103486714	Carded	Complete set vacuum packed	1

## Adjustable Wrenches

- Rugged construction
- Quick, one-hand adjustment
- Chrome-plated, polished heads
- Cushion grip handle
- Red cushion grip handle provides maximum leverage



Cat No.	UPC No.	Packed	Length		Jaw Capacity		Shelf Pack
			Inch	mm	Inch	mm	
44CG	037103481443	Boxed	4	100	1/2	13	6
44CGV	037103481450	Carded	4	100	1/2	13	6
46CG	037103481467	Boxed	6	150	15/16	24	6
46CGV	037103481474	Carded	6	150	15/16	24	6
48CG	037103481481	Boxed	8	200	1 1/8	29	6
48CGV	037103481498	Carded	8	200	1 1/8	29	6

## Electrician's Knife

- Both a knife and a screwdriver
- Screwdriver blade with sharp edge for scraping insulation
- Spear point



Cat No.	UPC No.	Packed	Description	Shelf Pack
K22	037103484239	Boxed	Electrician's knife	6
K22V	037103484246	Carded	Electrician's knife	6

## Heat Sink

- Protects transistors and other delicate electronic components from heat during soldering
- Copper jaw for greatest possible heat absorption and dissipation (solder will not stick to finish)
- Nickel-plated finish
- Positive no-slip spring tension action
- Red plastic-coated cushion grip provides maximum leverage



Cat No.	UPC No.	Packed	Description	Length		Shelf Pack
				Inch	mm	
80V	037103482051	Carded	Heat sink	3 1/8	80	6

## Premium Stainless Steel Tweezers - Made in U.S.A.



Straight point



Fine taper point



Straight point small



Tapered-Extra fine



Curved tip-thin

- High quality
- For electronic use
- Manufactured from anti-magnetic, anti-acid stainless steel
- Working tips hand finished for precise alignment
- Overall length is 4 1/2"
- Smooth jaws

Cat No.	UPC No.	Packed	Description	Shelf Pack
XSST3	037103490957	Boxed	Straight point	6
XSST3V	037103490964	Carded	Straight point carded	6
XSST3CV	037103490988	Carded	Straight point small carded	6
XSST4V	037103491008	Carded	Fine taper point carded	6
XSST5V	037103491022	Carded	Tapered-extra fine carded	6
XSST7V	037103491046	Carded	Curved tip-thin carded	6

## General Duty Tweezers



Sharp point



Curved



Cross lock



Straight



Cross lock



Round point

Cat No.	UPC No.	Packed	Length		Description	Shelf Pack
			Inch	mm		
XHT434	037103487636	Boxed	4 3/4	121	Smooth sharp points	6
XHT412	037103487629	Boxed	4 1/2	115	Self closing, smooth sharp points for holding work	6
XHT612	037103487650	Boxed	6	165	Self closing, especially good for soldering and gluing	6
XHT678	037103487667	Boxed	6 7/8	174	For better view of close work for hard to reach places	6
XHT700	037103487674	Boxed	7	178	Slender tapered point to fit in tight places	6
XHT600	037103487643	Boxed	6	152	Serrated points for sure grips opens to 3/4" / 19mm width	6

## Precision Knives and Blades

- A fine selection of six knives from lightweight to heavy-duty for the professional and hobbyist
- 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

### Light-duty Precision Knives

- Designed for light-duty cutting on paper, soft and light-weight materials or wood



Cat No.	UPC No.	Packed	Length		Type of blade	Shelf Pack
			Inch	mm		
XN100	037103487681	Boxed	5 13/16	148	XNB103	6
XN100B	037103488466	Boxed	Same as XN-100 – Tube			24

### Medium-duty Precision Knife

- Designed for heavy paper and medium density materials



Cat No.	UPC No.	Packed	Length		Type of blade	Shelf Pack
			Inch	mm		
XN200	037103487698	Boxed	5 3/4	146	XNB205	6

### Heavy-duty Plastic Handle Precision Knife

- Designed for working with hardwood, plastic and other difficult to cut materials



Cat No.	UPC No.	Packed	Length		Type of blade	Shelf Pack
			Inch	mm		
XN210	037103487704	Boxed	5 7/16	137	XNB201	6

### Carving Precision Knife

- For those who prefer a metal handled knife
- Cuts through hardwood and plastics



Cat No.	UPC No.	Packed	Length		Type of blade	Shelf Pack
			Inch	mm		
XN300	037103487728	Boxed	5 5/8	144	XNB301	6

## Light and Medium-duty Knife Set



- For a wide range of cutting operations
- Contains 10 assorted blades

Cat No.	UPC No.	Packed	Description	Shelf Pack
XNS100	037103487742	Boxed	XN100 and XN200 knives & 10 assorted blades	6

## Replacement Blades

- Blades interchangeable with other similar knives
- Safely packed in transparent plastic containers and carded
- Bulk packed
- Number of blades per container shown in tables



XNB103 Fine Pointed



XNB105 Stencil



XNB201 Chisel



XNB301 Straight Carving



XNB203 General-Purpose



XNB205 Pointed



XNB101 Standard

Cat No.	UPC No.	Qty.	Description	Fits Knife	Shelf Pack
XNB103	037103487766	5	For most detailed cutting and stripping	XN100	6
XNB103B	037103488473	100	For most detailed cutting and stripping	XN100	1
XNB203	037103487797	5	For most cutting requirements	XN200/210/300	6
XNB105	037103487773	5	For scoring and etching as well as stencil cutting	XN100	6
XNB205	037103487803	5	For close corner cuts on templates, mates, gaskets, also trimming, stripping and de-burring	XN200/210/300	6
XNB201	037103487780	5	Rough shaping de-burring and chiseling	XN200/210/300	6
XNB101	037103487759	5	General-duty for cutting, carving and correcting stencils	XN100	6
XNB301	037103487834	2	For general-purpose carving	XN300	6

## Cable Tie Gun

- Provides a flush cut with each use for neat, professional installations
- Tension adjustment allows use on miniature, intermediate, standard and heavy duty cable ties
- Diecast steel construction



Cat No.	UPC No.	Packed	Length		Pack Weight		Shelf Pack
			Inch	mm	oz.	g	
DCT300V	037103184887	Carded	7	177.8	4.0	180	6

## TKX11 Multi-purpose Tool Kit

- 11 quality tools perfect for all types of routine repair and simple DIY'er projects
- Packed neatly in an attractive easy-to-store case



Cat No.	UPC No.	Packed	Inch	mm	Description	Shelf Pack
TKX11	037103487377	Boxed	-	-	Complete tool kit	1
R144	037103485403	Boxed	1/4 x 4	101	Round blade screwdriver	-
R184	037103485496	Boxed	1/8 x 4	101	Round blade screwdriver	-
X101	037103486394	Boxed	No. 1 Phillips x 3	76	Round blade screwdriver	-
8	037103487001	Boxed	1/4	-	Hex nutdriver	-
P12S	037103484857	Boxed	No. 0 Phillips x 2	51	Screwdriver	-
51NCG	037103212856	Boxed	6	152	Long nose pliers with side cutter	-
46CG	037103481467	Boxed	6	152	Adjustable wrench	-
S141	037103485854	Boxed	1/4 x 11/4	32	Stubby square blade screwdriver	-
100X	037103483560	Boxed	-	-	Wire stripper & cut adj. screw top	-
W9210ME	037103458766	Boxed	1/2	13 x 10	3048mm Metric/English tape rule	-
H26	037103462480	Boxed	6	152	Combination plier, chrome plated	-

# Model TCMB100STW and TCMB100MTW

The 100 Series Kits are all “The Largest and Most Elaborate”



- Contains 53 individual hand tools, 31 Series 99 interchangeable screwdriver/nutdriver blades and handles, and 2 specialized screwdriver/nutdriver kits (as listed)
- Extra large roller bearing wheels (3 5/8”) with wide base for maximum stability and easy transport over rough pavement or stairs.
- Extra wide, comfortable extension handle is molded into case to prevent wear.
- Size: 18” x 15” x 8” deep.
- Extension handle locks in place automatically when extended and retracted. Easy one-handed release.
- Two tote handles for convenience. Both are spring loaded for protection.
- “D” ring provided for Bunji cords to carry other cases on top
- Case is super tough, black polyethylene rotationally molded for maximum strength. Minimum wall thickness of 0.120”.
- 3-panel hinged tool pallet in lid plus additional pallet in bottom.
- Extra large storage space for additional equipment.
- Extra large all new screen mesh literature/utility pocket.

Cat No.	UPC No.	Description
TCMB100STW	037103107787	Tool case with tools
TCMB100MTW	037103107794	Tool case only-NO TOOLS

Cat No.	Description	Qty.	Cat No.	Description	Qty.	Cat No.	Description	Qty.
991	Handle – regular	1	57CG	Needle nose pliers 5 1/2”/139mm	1	XST102	Phillips screwdriver	1
991R	Handle – regular ratchet	1	59NCG	Chain nose pliers 8”/203mm	1	P18	Hex socket screwdriver	1
994R	Handle – Tee ratchet	1	86NCG	Electronic snips	1	P19	Hex socket screwdriver	1
99X5	Extension	1	103S	Wire stripper/cutter	1	HS6	Nutdriver—hollow shaft	1
99X10	Extension	1	K22	Electrician’s knife	1	HS8	Nutdriver—hollow shaft	1
9938	Reamer	1	M60	Mini drivers	1	HS10	Nutdriver—hollow shaft	1
99125	Slotted screw blade	1	XL75	Offset ratchet screwdrivers	1	HS11	Nutdriver—hollow shaft	1
99250	Slotted screw blade	1	600	Combination screwdriver-nutdriver tool	1	HS12	Nutdriver—hollow shaft	1
99312	Slotted screw blade	1	SB1	Dual reversible screwdriver blade	1	HS14	Nutdriver—hollow shaft	1
99811	Slotted screw blade	1	R144	Slotted screwdriver	1	HS16	Nutdriver—hollow shaft	1
99820	Phillips screw blade	1	R146	Slotted screwdriver	1	HS18	Nutdriver—hollow shaft	1
99821	Phillips screw blade	1	R181	Slotted screwdriver	1	8M	Nutdriver—magnetic	1
99822	Phillips screw blade	1	R184	Slotted screwdriver	1	10M	Nutdriver—magnetic	1
9961 - 69	Bristol 6-flute multi. spline blades (9)	1	R3164	Slotted screwdriver	1	P3	Midget nutdriver	1
9920 - 26	Allen hex socket type blades (7)	1	R3166	Slotted screwdriver (insulated)	1	P4	Midget nutdriver	1
99764	Allen hex socket type blade	1	R3323	Slotted screwdriver	1	P5	Midget nutdriver	1
99964	Allen hex socket type blade	1	R5325	Slotted screwdriver	1	P6	Midget nutdriver	1
42H	Straight nose seizer	1	S388	Slotted screwdriver	1	P7	Midget nutdriver	1
46CG	Adjustable wrench 6”/152mm	1	S3161	Slotted screwdriver	1	P8	Midget nutdriver	1
50CG	Midget slip joint pliers 5”/127mm	1	S5161	Slotted screwdriver	1	P9	Midget nutdriver	1
51NCG	Long nose pliers 6”/152mm	1	S5166	Slotted screwdriver	1	P10	Midget nutdriver	1
R27CV	Utility pliers 7”/178mm	1	SX101	Phillips screwdriver	1	P11	Midget nutdriver	1
54CG	Diagonal pliers 4”/101mm	1	XST100	Phillips screwdriver	1	P12	Midget nutdriver	1
66NCG	Diagonal pliers 6”/152mm	1	XST101	Phillips screwdriver	1	TA2	Torque amplifier handle	1



## Model TCA100ST

- Contains 53 individual hand tools, 31 Series 99 interchangeable screwdriver/nutdriver blades and handles, and 2 specialized screwdriver/nutdriver kits (as listed)
- Hi-tech aluminum tool case with smooth finish, keyless combination lock and chrome-plated latches
- Tongue and groove lid with rubber gasket ensures a positive seal from dirt or water
- Case with removable 3-panel hinged tool pallet in lid plus additional panel in bottom
- Size: 17 5/8" x 12 5/8" x 7 7/8"/448mm x 321mm x 200mm



Cat No.	UPC No.	Description
TCA100ST	037103491343	Tool case with tools

Cat No.	Description	Qty.	Cat No.	Description	Qty.	Cat No.	Description	Qty.
991	Handle – regular	1	57CG	Needle nose pliers 5 1/2"/139mm	1	XST102	Phillips screwdriver	1
991R	Handle – regular ratchet	1	59NCG	Chain nose pliers 8"/203mm	1	P18	Hex socket screwdriver	1
994R	Handle – Tee ratchet	1	86NCG	Electronic snips	1	P19	Hex socket screwdriver	1
99X5	Extension	1	103S	Wire stripper/cutter	1	HS6	Nutdriver—hollow shaft	1
99X10	Extension	1	K22	Electrician's knife	1	HS8	Nutdriver—hollow shaft	1
9938	Reamer	1	M60	Mini drivers	1	HS10	Nutdriver—hollow shaft	1
99125	Slotted screw blade	1	XL75	Offset ratchet screwdrivers	1	HS11	Nutdriver—hollow shaft	1
99250	Slotted screw blade	1	600	Combination screwdriver-nutdriver tool	1	HS12	Nutdriver—hollow shaft	1
99312	Slotted screw blade	1	SB1	Dual reversible screwdriver blade	1	HS14	Nutdriver—hollow shaft	1
99811	Slotted screw blade	1	R144	Slotted screwdriver	1	HS16	Nutdriver—hollow shaft	1
99820	Phillips screw blade	1	R146	Slotted screwdriver	1	HS18	Nutdriver—hollow shaft	1
99821	Phillips screw blade	1	R181	Slotted screwdriver	1	8M	Nutdriver—magnetic	1
99822	Phillips screw blade	1	R184	Slotted screwdriver	1	10M	Nutdriver—magnetic	1
9961-69	Bristol 6-flute multi. spline blades (9)	1	R3164	Slotted screwdriver	1	P3	Midget nutdriver	1
9920-26	Allen hex socket type blades (7)	1	R3166	Slotted screwdriver (insulated)	1	P4	Midget nutdriver	1
99764	Allen hex socket type blade	1	R3323	Slotted screwdriver	1	P5	Midget nutdriver	1
99964	Allen hex socket type blade	1	R5325	Slotted screwdriver	1	P6	Midget nutdriver	1
42H	Straight nose seizer	1	S388	Slotted screwdriver	1	P7	Midget nutdriver	1
46CG	Adjustable wrench 6"/152mm	1	S3161	Slotted screwdriver	1	P8	Midget nutdriver	1
50CG	Midget slip joint pliers 5"/127mm	1	S5161	Slotted screwdriver	1	P9	Midget nutdriver	1
51NCG	Long nose pliers 6"/152mm	1	S5166	Slotted screwdriver	1	P10	Midget nutdriver	1
R27CV	Utility pliers 7"/178mm	1	SX101	Phillips screwdriver	1	P11	Midget nutdriver	1
54CG	Diagonal pliers 4"/101mm	1	XST100	Phillips screwdriver	1	P12	Midget nutdriver	1
66NCG	Diagonal pliers 6"/152mm	1	XST101	Phillips screwdriver	1	TA2	Torque amplifier handle	1

## Model TCMB100ST and TCMB100MT



- Contains 53 individual hand tools, 31 Series 99 interchangeable screwdriver/nutdriver blades and handles, and 2 specialized screwdriver/nutdriver kits (as listed)
- Contains 3-panel hinged tool pallet in lid plus additional pallet in bottom
- Super tough, black polyethylene with rich looking black anodized aluminum hardware
- Size: 17 3/4" x 12 5/8" x 5 3/4"/451mm x 321mm x 146mm

Cat No.	UPC No.	Description
<b>TCMB100ST</b>	037103491990	Tool case with tools
<b>TCMB100MT</b>	037103491206	Tool case only-NO TOOLS

Cat No.	Description	Qty.	Cat No.	Description	Qty.	Cat No.	Description	Qty.
<b>991</b>	Handle – regular	1	<b>57CG</b>	Needle nose pliers 5 1/2"/139mm	1	<b>XST102</b>	Phillips screwdriver	1
<b>991R</b>	Handle – regular ratchet	1	<b>59NCG</b>	Chain nose pliers 8"/203mm	1	<b>P18</b>	Hex socket screwdriver	1
<b>994R</b>	Handle – Tee ratchet	1	<b>86NCG</b>	Electronic snips	1	<b>P19</b>	Hex socket screwdriver	1
<b>99X5</b>	Extension	1	<b>103S</b>	Wire stripper/cutter	1	<b>HS6</b>	Nutdriver—hollow shaft	1
<b>99X10</b>	Extension	1	<b>K22</b>	Electrician's knife	1	<b>HS8</b>	Nutdriver—hollow shaft	1
<b>9938</b>	Reamer	1	<b>M60</b>	Mini drivers	1	<b>HS10</b>	Nutdriver—hollow shaft	1
<b>99125</b>	Slotted screw blade	1	<b>XL75</b>	Offset ratchet screwdrivers	1	<b>HS11</b>	Nutdriver—hollow shaft	1
<b>99250</b>	Slotted screw blade	1	<b>600</b>	Combination screwdriver-nutdriver tool	1	<b>HS12</b>	Nutdriver—hollow shaft	1
<b>99312</b>	Slotted screw blade	1	<b>SB1</b>	Dual reversible screwdriver blade	1	<b>HS14</b>	Nutdriver—hollow shaft	1
<b>99811</b>	Slotted screw blade	1	<b>R144</b>	Slotted screwdriver	1	<b>HS16</b>	Nutdriver—hollow shaft	1
<b>99820</b>	Phillips screw blade	1	<b>R146</b>	Slotted screwdriver	1	<b>HS18</b>	Nutdriver—hollow shaft	1
<b>99821</b>	Phillips screw blade	1	<b>R181</b>	Slotted screwdriver	1	<b>8M</b>	Nutdriver—magnetic	1
<b>99822</b>	Phillips screw blade	1	<b>R184</b>	Slotted screwdriver	1	<b>10M</b>	Nutdriver—magnetic	1
<b>9961-69</b>	Bristol 6-flute multi. spline blades (9)	1	<b>R3164</b>	Slotted screwdriver	1	<b>P3</b>	Midget nutdriver	1
<b>9920-26</b>	Allen hex socket type blades (7)	1	<b>R3166</b>	Slotted screwdriver (insulated)	1	<b>P4</b>	Midget nutdriver	1
<b>99764</b>	Allen hex socket type blade	1	<b>R3323</b>	Slotted screwdriver	1	<b>P5</b>	Midget nutdriver	1
<b>99964</b>	Allen hex socket type blade	1	<b>R5325</b>	Slotted screwdriver	1	<b>P6</b>	Midget nutdriver	1
<b>42H</b>	Straight nose seizer	1	<b>S388</b>	Slotted screwdriver	1	<b>P7</b>	Midget nutdriver	1
<b>46CG</b>	Adjustable wrench 6"/152mm	1	<b>S3161</b>	Slotted screwdriver	1	<b>P8</b>	Midget nutdriver	1
<b>50CG</b>	Midget slip joint pliers 5"/127mm	1	<b>S5161</b>	Slotted screwdriver	1	<b>P9</b>	Midget nutdriver	1
<b>51NCG</b>	Long nose pliers 6"/152mm	1	<b>S5166</b>	Slotted screwdriver	1	<b>P10</b>	Midget nutdriver	1
<b>R27CV</b>	Utility pliers 7"/178mm	1	<b>SX101</b>	Phillips screwdriver	1	<b>P11</b>	Midget nutdriver	1
<b>54CG</b>	Diagonal pliers 4"/101mm	1	<b>XST100</b>	Phillips screwdriver	1	<b>P12</b>	Midget nutdriver	1
<b>66NCG</b>	Diagonal pliers 6"/152mm	1	<b>XST101</b>	Phillips screwdriver	1	<b>TA2</b>	Torque amplifier handle	1

## Model TCS100ST

- Contains 53 individual hand tools, 31 Series 99 interchangeable screwdriver/nutdriver blades and handles, and 2 specialized screwdriver/nutdriver kits (as listed)
- Case made from rugged Cordura® with dual heavy-duty zippers and soft leather wrapped handles
- Contains (on outside) 1 pocket on one side and 2 smaller pockets on opposite
- Size: 17" x 12" x 3 1/4"/432mm x 305mm x 83mm
- Cordura® is a registered trademark of DUPONT



Cat No.	UPC No.	Description
TCS100ST	037103491251	Tool case with tools

Cat No.	Description	Qty.	Cat No.	Description	Qty.	Cat No.	Description	Qty.
991	Handle – regular	1	57CG	Needle nose pliers 5 1/2"/139mm	1	XST102	Phillips screwdriver	1
991R	Handle – regular ratchet	1	59NCG	Chain nose pliers 8"/203mm	1	P18	Hex socket screwdriver	1
994R	Handle – Tee ratchet	1	86NCG	Electronic snips	1	P19	Hex socket screwdriver	1
99X5	Extension	1	103S	Wire stripper/cutter	1	HS6	Nutdriver—hollow shaft	1
99X10	Extension	1	K22	Electrician's knife	1	HS8	Nutdriver—hollow shaft	1
9938	Reamer	1	M60	Mini drivers	1	HS10	Nutdriver—hollow shaft	1
99125	Slotted screw blade	1	XL75	Offset ratchet screwdrivers	1	HS11	Nutdriver—hollow shaft	1
99250	Slotted screw blade	1	600	Combination screwdriver-nutdriver tool	1	HS12	Nutdriver—hollow shaft	1
99312	Slotted screw blade	1	SB1	Dual reversible screwdriver blade	1	HS14	Nutdriver—hollow shaft	1
99811	Slotted screw blade	1	R144	Slotted screwdriver	1	HS16	Nutdriver—hollow shaft	1
99820	Phillips screw blade	1	R146	Slotted screwdriver	1	HS18	Nutdriver—hollow shaft	1
99821	Phillips screw blade	1	R181	Slotted screwdriver	1	8M	Nutdriver—magnetic	1
99822	Phillips screw blade	1	R184	Slotted screwdriver	1	10M	Nutdriver—magnetic	1
9961-69	Bristol 6-flute multi. spline blades (9)	1	R3164	Slotted screwdriver	1	P3	Midget nutdriver	1
9920-26	Allen hex socket type blades (7)	1	R3166	Slotted screwdriver (insulated)	1	P4	Midget nutdriver	1
99764	Allen hex socket type blade	1	R3323	Slotted screwdriver	1	P5	Midget nutdriver	1
99964	Allen hex socket type blade	1	R5325	Slotted screwdriver	1	P6	Midget nutdriver	1
42H	Straight nose seizer	1	S388	Slotted screwdriver	1	P7	Midget nutdriver	1
46CG	Adjustable wrench 6"/152mm	1	S3161	Slotted screwdriver	1	P8	Midget nutdriver	1
50CG	Midget slip joint pliers 5"/127mm	1	S5161	Slotted screwdriver	1	P9	Midget nutdriver	1
51NCG	Long nose pliers 6"/152mm	1	S5166	Slotted screwdriver	1	P10	Midget nutdriver	1
R27CV	Utility pliers 7"/178mm	1	SX101	Phillips screwdriver	1	P11	Midget nutdriver	1
54CG	Diagonal pliers 4"/101mm	1	XST100	Phillips screwdriver	1	P12	Midget nutdriver	1
66NCG	Diagonal pliers 6"/152mm	1	XST101	Phillips screwdriver	1	TA2	Torque amplifier handle	1

# Model TCA150ST



- Carefully selected, intermediate assortment of Xcelite® hand tools and WP25 Weller® 25 watt soldering iron
- Contains 23 individual hand tools, 24 Series 99 interchangeable screwdriver/nutdriver blades and handles, XL70 offset ratchet screwdriver set, measuring tape and solder (as listed)
- High tech aluminum tool case with smooth finish, keyless combination lock and chrome-plated latch
- Tongue and groove lid with rubber gasket ensures a positive seal from dirt or water
- Case complete with removable pallet in lid plus additional panel in bottom
- Size: 17 5/8" x 12 5/8" x 5 3/4"/448mm x 321mm x 146mm

Cat No.	UPC No.	Description
TCA150ST	037103491367	Tool case with tools

Cat No.	Description	Qty.	Cat No.	Description	Qty.	Cat No.	Description	Qty.
991, 994R	Handles (regular and ratchet Tee)	1	51NCG	Long nose pliers 6"/152mm	1	S5166	Slotted screwdriver	1
99X5	Extension	1	54CG	4"/102mm Diagonal	1	S3161	Slotted screwdriver	1
9920 - 26,	Allen hex-socket type blades (9)	1	55NCG	5"/127mm Diagonal	1	SX101	Phillips screwdriver	1
99764, 99964			57CG	5 1/2"/102mm Diagonal	1	XL75	5-piece set in see-thru plastic pouch	1
996 - 12	Hex nutdriver blades (7)	1	59NCG	8"/203mm Chain nose pliers	1	600	Combination Dual Nutdriver Handle	1
99250 & 99811	Screwdriver blades	1	86NCG	Electronic snips	1	W9210ME	10-foot tape	1
99821 & 99822	Phillips screw blades	1	101S	Wire stripper	1	HS14	Hollow shaft	1
9938	Reamer	1	K22	Electrician's knife	1	HS16	Hollow shaft	1
42H	Seizer	1	R181	Slotted screwdriver	1	8M	Magnetic	1
46CG	Adjustable wrench	1	R3323	Slotted screwdriver	1	10M	Magnetic	1
50CG	Midget slip joint pliers 5"/127mm	1	R184	Slotted screwdriver	1	WP25	Weller 25 watt soldering iron	1
R27CV	7"/178mm Utility pliers	1	R3164	Slotted screwdriver	1	STI	.063" Screwdriver tip	1

## Model TCMB150ST and TCMB150MT

- Carefully selected intermediate assortment of Xcelite® hand tools
- Contains 23 individual hand tools, popular WP25 Weller® 25 watt soldering iron, 24 Series 99 interchangeable screwdriver/nutdriver blades and handles, XL75 offset ratchet screwdriver set, measuring tape and solder (as listed)
- Super tough, black polyethylene with rich looking black anodized aluminum hardware
- Size: 17 3/4" x 12 5/8" x 4 3/4"/451mm x 321mm x 121mm



Cat No.	UPC No.	Description
TCMB150ST	037103491213	Tool case with tools
TCMB150MT	037103491220	Tool case only-NO TOOLS

Cat No.	Description	Qty.	Cat No.	Description	Qty.	Cat No.	Description	Qty.
991, 994R	Handles (regular and ratchet Tee)	1	51NCG	Long nose pliers 6"/152mm	1	S5166	Slotted screwdriver	1
99X5	Extension	1	54CG	4"/102mm Diagonal	1	S3161	Slotted screwdriver	1
9920 - 26,	Allen hex-socket type blades (9)	1	55NCG	5"/127mm Diagonal	1	SX101	Phillips screwdriver	1
99764, 99964			57CG	5 1/2"/102mm Diagonal	1	XL75	5-piece set in see-thru plastic pouch	1
996 - 12	Hex nutdriver blades (7)	1	59NCG	8"/203mm Chain nose pliers	1	600	Combination Dual Nutdriver Handle	1
99250 & 99811	Screwdriver blades	1	86NCG	Electronic snips	1	W9210ME	10-foot tape	1
99821 & 99822	Phillips screw blades	1	101S	Wire stripper	1	HS14	Hollow shaft	1
9938	Reamer	1	K22	Electrician's knife	1	HS16	Hollow shaft	1
42H	Seizer	1	R181	Slotted screwdriver	1	8M	Magnetic	1
46CG	Adjustable wrench	1	R3323	Slotted screwdriver	1	10M	Magnetic	1
50CG	Midget slip joint pliers 5"/127mm	1	R184	Slotted screwdriver	1	WP25	Weller 25 watt soldering iron	1
R27CV	7"/178mm Utility pliers	1	R3164	Slotted screwdriver	1	STI	.063" Screwdriver tip	1

## Model TCS150ST and TCS150MT



- Carefully selected, intermediate assortment of Xcelite® hand tools
- Contains 23 individual hand tools, popular WP25 Weller® 25 watt soldering iron, 24 Series 99 interchangeable screwdriver / nutdriver blades and handles, XL75 offset ratchet screwdriver set, measuring tape and solder (as listed)
- Case made from rugged Cordura® with heavy-duty zipper and soft leather wrapped handles
- Contains (on outside) 1 pocket on 1 side and 2 smaller pockets on opposite
- Cordura® is a registered trademark of DUPONT
- Size: 17" x 12" X 3"/432mm x 305mm x 76mm

Cat No.	UPC No.	Description
TCS150ST	037103491275	Tool case with tools
TCS150MT	037103491282	Tool case only-NO TOOLS

Cat No.	Description	Qty.	Cat No.	Description	Qty.	Cat No.	Description	Qty.
991, 994R	Handles (regular and ratchet Tee)	1	51NCG	Long nose pliers 6"/152mm	1	S5166	Slotted screwdriver	1
99X5	Extension	1	54CG	4"/102mm Diagonal	1	S3161	Slotted screwdriver	1
9920 - 26, 99764, 99964	Allen hex-socket type blades (9)	1	55NCG	5"/127mm Diagonal	1	SX101	Phillips screwdriver	1
996 - 12	Hex nutdriver blades (7)	1	57CG	5 1/2"/102mm Diagonal	1	XL75	5-piece set in see-thru plastic pouch	1
99250 & 99811	Screwdriver blades	1	59NCG	8"/203mm Chain nose pliers	1	600	Combination Dual Nutdriver Handle	1
99821 & 99822	Phillips screw blades	1	86NCG	Electronic snips	1	W9210ME	10-foot tape	1
9938	Reamer	1	101S	Wire stripper	1	HS14	Hollow shaft	1
42H	Seizer	1	K22	Electrician's knife	1	HS16	Hollow shaft	1
46CG	Adjustable wrench	1	R181	Slotted screwdriver	1	8M	Magnetic	1
50CG	Midget slip joint pliers 5"/127mm	1	R3323	Slotted screwdriver	1	10M	Magnetic	1
R27CV	7"/178mm Utility pliers	1	R184	Slotted screwdriver	1	WP25	Weller 25 watt soldering iron	1
			R3164	Slotted screwdriver	1	STI	.063" Screwdriver tip	1

## Model TCS200ST

- Fine blending of quality, economy and flexibility
- Contains 10 individual hand tools and 27 Series 99 interchangeable screwdriver/nutdriver blades and handles (as listed)
- Case made from rugged Cordura® and features a heavy-duty zipper and soft leather wrapped handles
- Contains (on outside) 1 pocket on one side and 2 smaller pockets on opposite
- Size: 13 1/2" x 10 1/2" x 2 3/8"/343mm x 267mm x 60mm
- Cordura® is a registered trademark of DUPONT



Cat No.	UPC No.	Description
TCS200ST	037103490421	Tool case with tools

Cat No.	Description	Qty.	Cat No.	Description	Qty.	Cat No.	Description	Qty.
991	Straight handle	1	99811	Slotted screw blade	1	43H	Curved nose seizer 6"/152mm	1
994	Tee handle	1	99250	Slotted screw blade	1	46CG	Adjustable wrench 6"/152mm	1
9920 - 9926	Hex socket screw blades(7)	1	99312	Slotted screw blade	1	51NCG	Long nose pliers 6 1/2"/165mm	1
99764	Hex socket screw blade	1	996	Hex nutdriver blade	1	R27CV	Utility pliers 7"/178mm	1
99964	Hex socket screw blade	1	998	Hex nutdriver blade	1	64CG	Diagonal pliers 4"/101mm	1
9938	Reamer	1	9910	Hex nutdriver blade	1	55NCG	Diagonal pliers 5"/127mm	1
99X5	Extension	1	9911	Hex nutdriver blade	1	57CG	Needle nose pliers 5 1/2"/139mm	1
99820	Phillips screw blade	1	9912	Hex nutdriver blade	1	86NCG	Electronic snips	1
99821	Phillips screw blade	1	9914	Hex nutdriver blade	1	101S	Wire stripper-cutter	1
99822	Phillips screw blade	1	9916	Hex nutdriver blade	1	K22	Electrician's knife	1
99125	Slotted screw blade	1						

# Tools for Cable Terminals and Connectors

## Xcelite® ErgoCrimp Plus® Mechanical Crimping Tools

- ErgoCrimp Plus® are the world's most advanced crimping tools to date
  - With a patented design, they deliver up to 50% better mechanical gain than any other kind
  - With increased mechanical gain you will get significantly lower handle force which could result in an increase in productivity
- These crimping tools have been designed to achieve maximum comfort, reliability, and durability. Their main features are:

### One-Handed Crimping

- The handle force needed for the crimping operation in most tools exceeds 60-70lbs. (27-32Kg)
- The average man and virtually all women cannot make a comfortable one-handed crimp
- Xcelite® crimping tools are designed with such a low handle force requirement that the crimp operation can be performed with only one hand

### Crimping Pressure

- The configurations of the crimping nests and indentors are designed to increase the tensile strength of the crimp
- The jaw pressure applies is scientifically calculated for optimum connections

### Reliability

- All components are made of high-quality Swedish steel and have been life tested for 50,000 cycles
- Precision manufacturing guarantees a uniform product of high accuracy

- After long wear, it is always possible to check the crimp dimensions with go/no-go gauges, and to adjust for eventual discrepancies by turning the patented excenter adjustment plate

### Size

- Size has been minimized to allow single-handed operation and to ensure the tool fits easily into repair kits

### Safety

- A ratchet device has been built in to guarantee that the user makes the exact same complete crimp every time
- Should the user start a faulty crimp, a safety release mechanism is built into the ratchet, allowing the user, with one finger, to open the tool before the cycle is complete

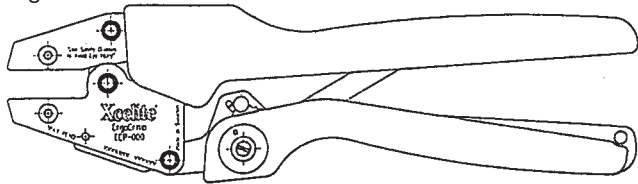
### Economy

- Because of their considerable advantages in quality, speed, and efficiency, the payoff time for an investment in Xcelite® tools is extremely short

ErgoCrimp Plus® (ECP-000 Frame)

Length: 10.0"

Weight: 1.2lbs.



## ErgoCrimp Plus® for 22-10 AWG Insulated Terminals and Splices

Xcelite



- ECP000 large ergonomic frame for large hands
- D100 die set for 22-10 AWG red, blue and yellow insulated terminals and splices
- Mechanical gain estimated 50%
- Guaranteed for at least 50,000 cycles
- Variety of die sets available



Cat No.	UPC No.	Packed	Description	Pack Wt.		Shelf Pack
				lb	kg	
ECP100	037103059307	Boxed	ECP000 frame and D100 die set	1.2	0.54	1
D100	037103059345	Boxed	Die set for ECP100	-	-	1



## ErgoCrimp Plus® for 22-10 Non-Insulated Terminal Splices

- Die set designed for 22-10 AWG non-insulated terminal splices
- Patented ergonomic design makes this tool easy and comfortable to use
- Lowest possible handle forces required
- High quality construction with tight tolerances
- Superior crimp die design insures the highest quality crimp results
- High strength through-hardened alloy steel and precision manufacturing
- Guaranteed for 50,000 cycles
- Precise eccentric adjustment for consistent performance for life of tool
- Tools can be purchased complete with die set or separately
- Special dies are also available upon request



Cat No.	UPC No.	Packed	Description	Pack Wt.		Shelf Pack
				lb	kg	
ECP101	037103197146	Boxed	ECP101 frame and D101 die set	1.4	0.64	1

## Frame only - ErgoCrimp Plus® Crimping Tool

- Large ergonomic frame for large hands
- Length 10"
- Width 2.83"
- Used with D100 through D109 die sets



Cat No.	UPC No.	Packed	Description	Pack Wt.		Shelf Pack
				lb	kg	
ECP000	037103059338	Boxed	ErgoCrimp Plus® crimping tool-large	1.00	0.45	1

## ErgoCrimp Die Set for Insulated Terminals and Splices

- For 22-10 AWG red, blue and yellow insulated terminals and splices
- Precision-machined hardened steel
- Fits ErgoCrimp and ErgoCrimp Plus® tools



Cat No.	UPC No.	Packed	Description	Shelf Pack

Xcelite

## ErgoCrimp Die Set for Non-insulated Terminals and Splices



- For 22-10 AWG non-insulated terminals and splices
- Precision-machined hardened steel
- Fits ErgoCrimp and ErgoCrimp Plus® tools

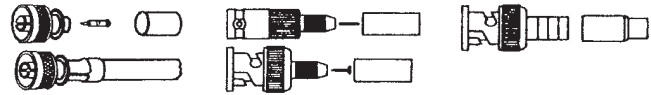


Cat No.	UPC No.	Packed	Description	Shelf Pack
D101	037103059352	Boxed	Die set	1

## ErgoCrimp Die Set for RG58, RG59/62 AU BNC/TNC Coaxial Connectors



- For RG 58, RG 59/62 AU BNC/TNC - .213", .255" and .068" hex cavities
- Precision-machined hardened steel
- Fits ErgoCrimp and ErgoCrimp Plus® tools

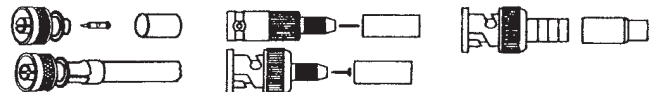


Cat No.	UPC No.	Packed	Description	Shelf Pack
D102	037103059369	Boxed	Die set	1

## ErgoCrimp Die Set for RG59, Belden® 8281 and Belden® 1694A, RG6, 50 and 75 ohm Coaxial Connectors



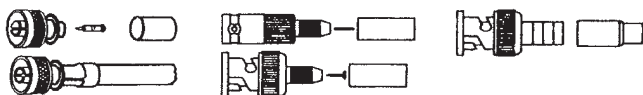
- For RG 59, Belden® 8281, RG6, 50 and 75 ohm center contacts - .324", .255", .068" and .042" hex cavities
- Precision-machined hardened steel
- Fits ErgoCrimp and ErgoCrimp Plus® tools
- Belden® is a registered trademark of BELDEN, INC.



Cat No.	UPC No.	Packed	Description	Shelf Pack
D104	037103059383	Boxed	Die set	1

## ErgoCrimp Die Set for RG174, RG179 BNC/TNC Coaxial Connectors

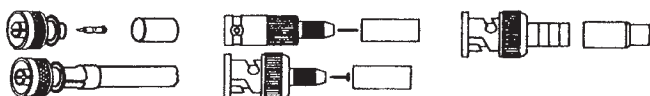
- For RG 174 BNC/TNC - .178", .128", and .068" hex cavities
- Precision-machined hardened steel
- Fits ErgoCrimp and ErgoCrimp Plus® tools



Cat No.	UPC No.	Packed	Description	Shelf Pack
D105	037103059390	Boxed	Die set	1

## ErgoCrimp Die Set for RG8, RG11, RG213, RG216 Coaxial Connectors

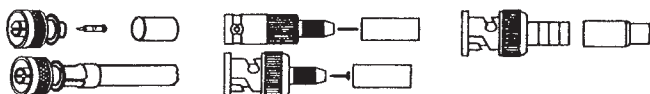
- For RG 8, RG 11, RG 213 and RG 216 ethernet N-series, .429"/.213"/.100"/.067" hex cavities
- Precision-machined hardened steel
- Fits ErgoCrimp and ErgoCrimp Plus® tools



Cat No.	UPC No.	Packed	Description	Shelf Pack
D106	037103059444	Boxed	Die set	1

## ErgoCrimp Die Set for RG6, Belden® 1694A, Twinax, CATV Coaxial Connectors

- For RG 6 CATV "F" connectors - .360"/.324"/.068" hex cavities
- Hex BNC HDTV and cable "F" connectors
- Precision-machined hardened steel
- Fits ErgoCrimp and ErgoCrimp Plus® tools

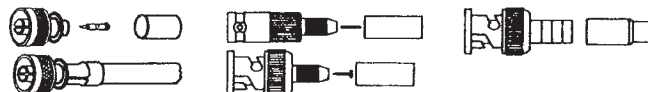


Cat No.	UPC No.	Packed	Description	Shelf Pack
D107	037103059413	Boxed	Die set	1

## ErgoCrimp Die Set for SMA, SMB, SFR, ST, SC Fiber Optic Connectors



- For fiber optic connectors requiring .128"/.151"/.213"/.197"/.178" hex crimps
- Precision-machined hardened steel
- Fits ErgoCrimp and ErgoCrimp Plus® tools



Cat No.	UPC No.	Packed	Description	Shelf Pack
D109	037103059437	Boxed	Die set	1

## Modular Plug Die Set for RJ45 Connectors



- Modular plug die set for RJ45 connectors
- 8 position - 8 contact

Cat No.	UPC No.	Packed	Description	Shelf Pack
D110	037103197122	Boxed	Die set	1

# Mini-Crimper/Maxi-Crimper Mechanical Crimping Tools

Xcelite® mechanical crimping tools have been designed to achieve maximum comfort, reliability, and durability. Their main features are:

## One-handed Crimping

- The handle force needed for the crimping operation in most tools exceeds 60-70lbs. (27-32Kg)
- The average man and virtually all women cannot make a comfortable one-handed crimp
- Xcelite® crimping tools are designed with such a low handle force requirement that the crimp operation can be performed with only one hand

## Handle Spread

- Other crimping tools on the market have open handle spreads equal to or greater than 6" at the point where the user places his grip
- This is too great a spread for the average male and female hand
- The Xcelite® mini-crimper has a handle spread of about 3 1/2"/88mm
- It is the smallest spread available in a tool this powerful
- The maxi-crimper, with about 20% more power, still has a handle spread under 4 1/2"/144mm
- Both tools fit comfortably in the average male or female hand
- With just one hand needed to hold the crimping tool, the user is now free to easily locate cable and connector in the jaw of the tool

## Crimping Pressure

- The configurations of the crimping nests and indentors are designed to increase the tensile strength of the crimp
- The jaw pressure applies is scientifically calculated for optimum connections

## Reliability

- All components are made of high-quality Swedish steel and have been life tested for 50,000 cycles
- Precision manufacturing guarantees a uniform product of high accuracy
- After long wear, it is always possible to check the crimp dimensions with go/no-go gauges, and to adjust for eventual discrepancies by turning the patented excenter adjustment plate

## Size

- Size has been **minimized** to allow single-handed operation and to ensure the tool fits easily into repair kits

## Safety

- A ratchet device has been built in to guarantee that the user makes the exact same complete crimp every time
- Should the user start a faulty crimp, a safety release mechanism is built into the ratchet, allowing the user, with one finger, to open the tool before the cycle is complete

## Economy

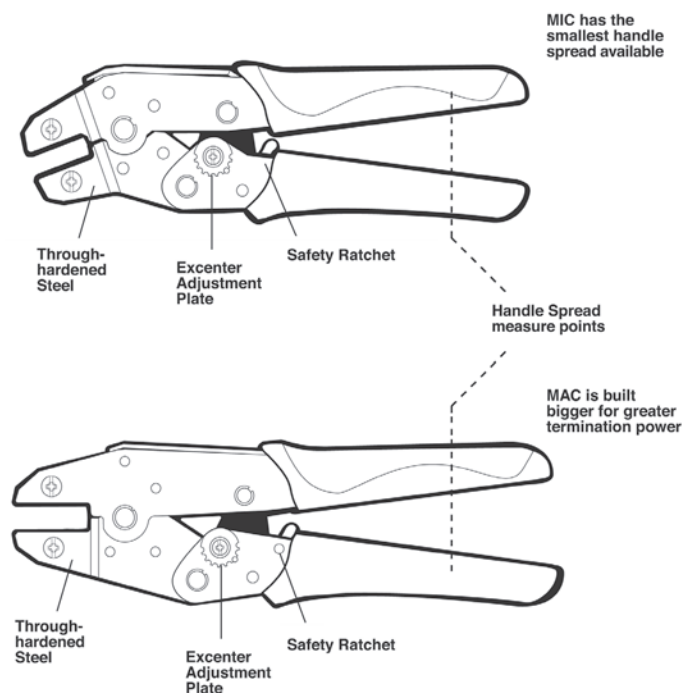
- Because of their considerable advantages in quality, speed, and efficiency, the payoff time for an investment in Xcelite® tools is extremely short.

### Mini-crimper (MIC)

Length: 7.68"  
 Weight: 0.55lbs.  
 Open Handle Spread: 3.66"  
 Closed Handle Spread: 1.90"  
 Max. Crimp Force: 1,600lbs.

### Maxi-crimper (MAC)

Length: 8.86"  
 Weight: 1.10lbs.  
 Open Handle Spread: 4.50"  
 Closed Handle Spread: 2.10"  
 Max. Crimp Force: 2,200lbs.



## Maxi-Crimper for Insulated Terminals and Splices



- Maxi-Crimper built bigger for greater terminating power
- Crimps 22-10 AWG (.75-6.0mm<sup>2</sup>) red, blue and yellow insulated terminals and splices (die nests color-coded to AWG specs)
- Incorporates ratchet to ensure a full-cycle complete crimp every time
- Crimps exceed UL® standards for most terminals from AMP, 3M, T & B and many others

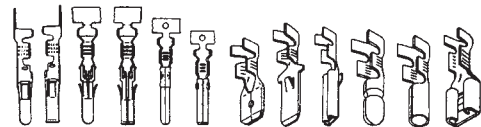


Cat No.	UPC No.	Packed	Description	Pack Wt.		Shelf Pack
				lb	kg	
MAC2210	037103489180	Boxed	Maxi-crimper tool	1.1	0.5	1
D2210	037103490186	Boxed	Die set for MAC2210	-	-	1

## Mini-Crimper for Open Barrel D-subminiature Contacts



- Mini-Crimper smallest professional crimp tool of its kind
- Universal tool designed to crimp a wide range of open-barrel and D-subminiature contacts 30-20 AWG
- Versatile tool for pins, sockets, disconnects and other open-barrel contacts from AMP, MOLEX, ITT Cannon and others
- Incorporates ratchet to ensure a full-cycle complete crimp every time



Cat No.	UPC No.	Packed	Description	Pack Wt.		Shelf Pack
				lb	kg	
MIC3020BL	037103490391	Boxed	Mini-crimper tool	0.55	0.25	1

## 32 AWG to 10 AWG Combination, Self-adjusting Wire Stripper



- Tool capable of stripping wires from 32 AWG to 10 AWG without adjustment
- Widest stripping capacity of any tool of its type
- Easily interchangeable stripping cassettes enables precision stripping
- Strips a wide range of insulation types, PVC to PTFE with just one tool. Tested to over 150,000 cycles
- The ergonomic design is lightweight, strong, and comfortable
- The tool issuitable for production of field service work
- Fine insulation can be stripped without damage to the conductor
- Low friction moving handle optimized grip span, and angled head

Cat No.	UPC No.	Packed	Description	Shelf Pack
SAS3210	037103197306	Boxed	Self-adjusting wire stripper	1

## Interchangeable Replacement Blade for SAS3210 Combination Wire Stripper

- Interchangeable replacement blade for SAS3210 combination wire stripper
- Capable of stripping wires from 34 to 8 AWG without adjustment



Cat No.	UPC No.	Packed	Description	Shelf Pack
SAS3210RB	037103197276	Boxed	Interchangeable replacement blade	1

## Interchangeable Replacement Blade for SAS3210 Combination Wire Stripper

- Interchangeable replacement blade for SAS3210 combination wire stripper
- Capable of stripping Teflon® insulation from 32 AWG to 10 AWG

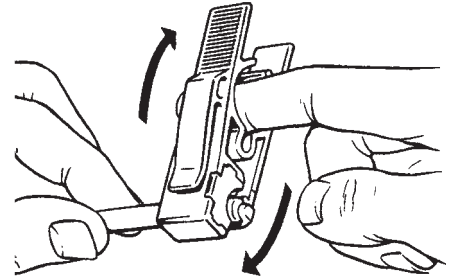
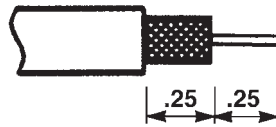


Cat No.	UPC No.	Packed	Description	Shelf Pack
SAS3210TRB	037103197283	Boxed	Interchangeable replacement blade	1

## Economical Coaxial Wire Stripper - Pre-adjusted for RG59 & RG6



- Tool specially designed to quickly and easily strip RG 59 and RG 6 cables for CATV “F” connectors
- Built-in stop (no adjustments needed)
- Replaceable blade cassette lasts 1,000-2,000 strips
- Convenient built-in belt clip
- Full operating instructions listed on back of blister card



Cat No.	UPC No.	Packed	Description	Pack Wt.		Shelf Pack
				lb	kg	
2CSKCATV	037103045324	Carded	For RG59 and RG6	1/4	6	3

## Cable Jacket Stripper, 0.43” Maximum Diameter



- **Precise:** Fine adjustability and repeatability assured by 9 position blade cutting depth adjustment
- **Easy to use:** Simply squeeze together, insert cable, release and rotate once, remove from cable and pull off scrap insulation
- **Safe:** Smooth, rounded, pocketable, lightweight design. No exposed blades. Replacement blades are encased in a plastic cassette
- **Flexible:** Strips the jacket from most cables up to 0.43” (11 mm) in diameter
- **Durable:** Tested to over 50,000 cycles
- **Economical:** Replaceable blade (p/n CJS100B)

CJS100

Cat No.	UPC No.	Packed	Description	Shelf Pack
CJS100	037103197061	Carded	Cable jacket stripper	1
CJS100B	037103197122	Boxed	Replacement blade	1



## Round Cable Stripper, .178" - 1.57" Diameter

- By rotating the body of the tool, the blade can be fixed in any one of three positions to provide:



Circular cuts around the cable



Lengthways along the cable



Spiral cuts along the cable



End strip circular + spiral cut



End strip circular + lengthways



Mid-span strip – two circular + spiral cut



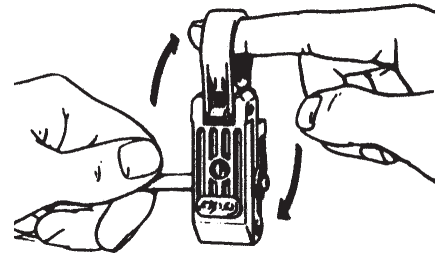
CJS200B



- Unique to this type of tool, the CJS200 features two interchangeable cable retention guides giving it an incomparable stripping capacity of 0.18" to 1.57" (4.5-40 mm) in one tool. Both cable guides are included with each tool. The CJS200 can replace two or more similar products in the toolbox
- **Easy to use:** Positive locking positions for circular, lengthways, and spiral cuts
- No special tools required to interchange cable guides
- Safety strap can be attached to the eyelet at the base of the tool to prevent accidental dropping
- **Ergonomic:** The well-balanced design features rests for thumb, first, and little fingers to ease in raising of the cable retention guides
- **Durable:** Tested to over 100,000 cycles
- **Economical:** Replacement blade available (p/n CJS200B). Can be stored in the tool body

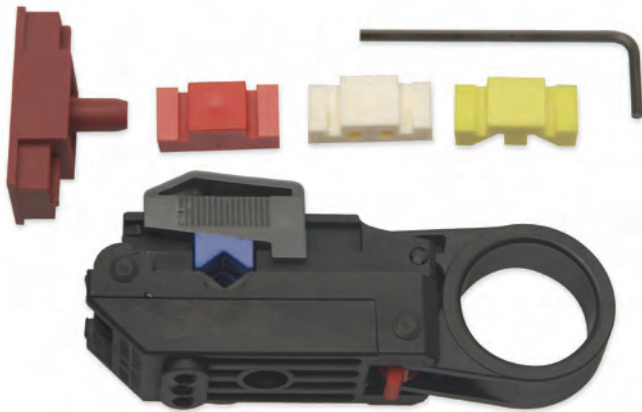
Cat No.	UPC No.	Packed	Description	Shelf Pack
CJS200	037103197085	Carded	Round cable stripper	1
CJS200B	037103197092	Boxed	Replacement blade	1

# Coaxial Wire Stripper - Full Kits and Pre-adjusted Models



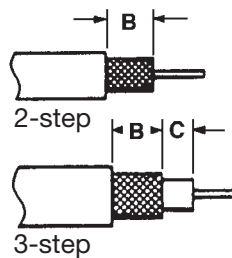
- Fastest accurate coax-stripping system
- Coaxial cable from .10" to .30" (1.87-7.6mm) in thickness (RG 178 up to RG 6) stripped in seconds
- Also removes dielectric, braid and outside insulation
- Xcelite® system available with different color-coded cassettes designed to meet exact stripping specifications
- Cassettes changed in seconds
- Available in full kits for users of many different cable sizes
- Special, pre-adjusted models or cassettes with special strip lengths made upon request

## Full Kits - Coaxial Wire Stripper



3CSKWH

- Full kit designed for user who strips many different size cables (from .1" to .3"/2.5-7.6mm)
- Contains cassette indicated, all 4 Xcelite® V-Blocks, hex wrench and instruction sheets covering most possible applications
- 3-step models not recommended for cable with hollow dielectric (RG 62) or foam dielectric (use 2-step models instead)
- Cable O.D. range: .10"-.30" (2.5-7.6mm), RG 174 to Belden® 8281 or RG 6

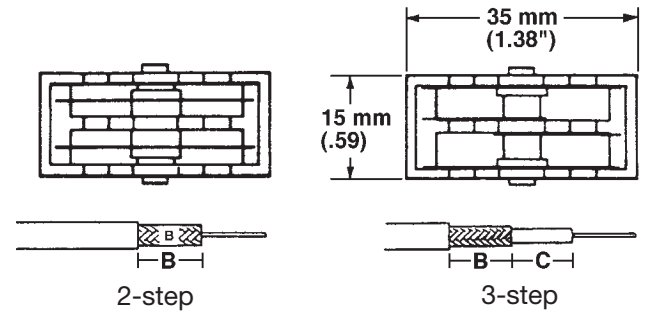


Kit Cat No.	UPC No.	Type	Packed	Cassette Cat No. & Color	Cassette UPC No.	Blade Spacing				Cover Strip Length Specs.				Shelf Pack
						(B) in	(B) mm	(C) in	(C) mm	(B) in	(B) mm	(C) in	(C) mm	
2CSKR	037103489456	2-step	Pouched	2CR red	037103489493	0.24	6.0	-	-	7/32-1/4	5.6-6.3	-	-	1
2CSKB	037103489470	2-step	Pouched	2CB blue	037103489616	0.27	6.8	-	-	1/4-9/32	6.3-7.1	-	-	1
2CSKY	037103489463	2-step	Pouched	2CY yellow	037103489609	0.47	12.0	-	-	7/16-1/2	11.1-12.7	-	-	1
3CSKBR	037103489432	3-step	Pouched	3CBR brown	037103489579	.328	8.3	.109	2.7	5/16-11/32	7.9-8.7	1/16-7/64	1.6-2.8	1
3CSKGN	037103489449	3-step	Pouched	3CGN green	037103489586	.235	6.0	.235	6.0	7/32-1/4	5.6-6.3	13/64-1/4	5.1-6.3	1
3CSKWH	037103489975	3-step	Pouched	3CWH white	037103489986	.266	6.7	.100	2.5	1/4-17/64	6.3-6.7	1/16-3/32	1.6-2.4	1

Note: 3-STEP models are not recommended for cable with hollow dielectrics (RG 62) or foam dielectrics. Use 2-STEP models instead. Cable O.D. range: .10"-.30" (2.5-7.6mm) e.g. RG174 to Belden® 8281 or RG6.

## Cassettes

- The cassette determines the strip dimension that your stripper will give
- New tool body design allows all cassettes to be used in any 2 step or 3 step full kit or pre-adjusted model
- Cassettes can be interchanged in seconds in the tool body



Cassette Cat No. & Color	Cassette UPC No.	Type	Packed	Blade Spacing				Cover Strip Length Specs.				Shelf Pack
				(B)		(C)		(B)		(C)		
				in	mm	in	mm	in	mm	in	mm	
<b>2CR red</b>	037103489493	2-step	Carded	0.24	6.0	-	-	7/32-1/4	5.6-6.3	-	-	1
<b>2CB blue</b>	037103489616	2-step	Carded	0.27	6.8	-	-	1/4-9/32	6.3-7.1	-	-	1
<b>3CBR brown</b>	037103489579	3-step	Carded	0.328	8.3	0.109	2.7	5/16-11/32	7.9-8.7	-	-	1
<b>3CGN green</b>	037103489586	3-step	Carded	0.235	6.0	0.235	6.0	7/32-1/4	5.6-6.3	-	-	1

Belden® is a registered trademark of Belden, Inc.

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
10	292	3CSKBR	364	9910XTD	304, 307, 310	9964	278, 304, 313
100X	338, 345	3CSKGN	364	9911	301, 312	9965	278
100XV	338	3CSKWH	364	9911MM	301, 312	9966	278, 304, 313
101S	338	413MM	296	9912	301, 312	9967	278, 304, 313
101SV	338	42HV	338	99125	302, 308	9969	278, 304, 308, 313
103S	339	43HV	338	9914	301	996MM	301, 312
103SV	339	44CG	341	9915XTD	304, 307, 310	996XTD	304
104CG	339	44CGV	341	9916	301, 306, 307, 308	997	301, 312
104CGV	339	46CG	306, 341, 345	991R	300	9971MM	303, 311
105CG	339	46CGV	341	991V	300	9972MM	303, 311
105CGV	339	48CG	341	992	300	9973MM	303, 311
105SCGV	339	48CGV	341	9920	277, 303, 308, 311	9974MM	303, 311
10M	294	4MM	294	9920BP	303, 309	9975MM	303, 311
10MM	294	50CG	338	9920XTD	304, 310	99764	277, 303, 308, 311
11	292	50CGV	338	9921	277, 303, 209	99764BP	303, 309
1178D	333	51NCG	337, 345	9921BP	303, 309	9976MM	303, 311
1178M	333	51NCGV	337	9922	277, 303, 311	9977MM	303, 311
12	292	52NCGV	306, 337	9922BP	303, 309	997MM	301, 312
127TB	295	54CG	335	9923	277, 303, 308	998	301, 307, 312
134CG	335	54CGV	335	9923BP	303, 309	99811	302, 306, 307, 308, 312
13MM	295	55MM	294	9924	277, 303, 311	99811V	302
14	292	55NCG	306, 336	9924BP	303, 309	99820	302, 307, 308
147TB	295	55NCGV	336	9925	277, 303, 311	99821	302, 306, 307, 308, 312
157	295	57CG	337	99250	302, 306, 307, 308, 312	99821V	302
170D	333	57CGV	337	99250V	302	99822	302, 306, 307, 308, 312
170M	333	59NCG	337	9925BP	303, 309	99822V	302
175D	333	5MM	294	9925XTD	304, 310	99831	302
175M	333	6	292	9926	277, 303, 308, 311	99832	302
177	295	600	291	9926BP	303, 309	995ESD	300
2178D	333	600V	291	9927XTD	304, 310	998M	301, 308
2178M	333	64CG	336	993	300, 306	998MM	301, 312
25	289	64CGV	336	9930XTD	304, 310	998XTD	304
2CB	365	66NCG	336	99312	302, 308	999	301, 312
2CR	365	66NCGV	336	9938	304, 306, 308	99964	277, 303, 308, 311
2CSKB	364	7MM	294	994	300, 308	99964BP	303, 309
2CSKCATV	362	8	292, 345	9945MM	312	999MM	301, 312
2CSKR	364	80V	341	994MM	301, 312	99K	307
2CSKY	364	86CG	340	994R	300	99MP	308
32H	338	86CGV	340	994V	300	99MPK	308
33HV	338	8M	294	994V	300	99PA	305, 308
378D	334	8MM	294	995ESD	300	99PA50	308
378M	334	991	300, 306, 307, 308, 309, 310, 311, 312, 313	995MM	301, 312	99PAV	305
378SMD	334	9910	301, 312	996	301, 306, 307, 308, 312	99PR	307
378SMM	334	9910M	301	9961	278, 304, 308, 313	99PS40	311
3CBR	365	9910MM	301, 312	9962	278, 304, 313	99PS40BP	309
3CGN	365	9910MM	301, 312	9963	278, 304, 313	99PS40BPV	309

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
99PS40V	311	D110	358	L11	293	LN775512V	330
99PS41MM	311	D2210	360	L12	293	LN8MM	288
99PS41MMBP	310	DCT300V	345	L4	328	LN964	277, 287
99PS50	312	DN54G	328, 331	L4G	328	LN964BP	288
99PS50V	312	DN54GV	328	L4V	328	LN9BP	289
99PS51MM	312	EC54J	315, 323, 331	L8	293	M60	299
99PS60	313	ECP000	355	L8M	294	M60V	299
99S10	301, 306, 308	ECP100	354	L8MV	294	MAC2210	360
99S12	301, 306, 308	ECP101	355	LC665J	315, 323	MIC3020BL	360
99S8	301, 306, 308	EGA54J	315, 323	LN11	288	MS54	315, 317, 331
99SM	306	ELN54	325	LN15MM	287	MS543J	315, 318
99SMK	306	ELN54G	325	LN20	277, 287	MS543JV	318
99SMX	306	EMS54	315, 318	LN20BP	288	MS545	315, 319
99SPC	307	EMS543J	315, 319	LN21	277, 287	MS545J	315, 319
99X10	305, 306	EMS545J	320	LN21BP	288	MS545JV	319
99X10V	305	EMS549J	315, 318	LN21V	287	MS545V	319
99X5	305, 308, 309, 310, 311, 312, 313	ENN54	329	LN22	277, 287	MS549J	315, 317
99XTD7	310	FSD1	291	LN225	324	MS549JV	317
C1K	331	FSD1V	291	LN22BP	288	MS54J	317
C2K	331	GA54J	315, 322	LN22V	287	MS54V	317
CJS100	362	GA54JV	322	LN23	277, 287	NN54	329, 331
CJS100B	362	H26	345	LN23BP	288	NN542	328
CJS200	363	HS10	293	LN23V	287	NN54G	329
CJS200B	363	HS10V	293	LN24	277	NN54GV	329
CK20	290	HS11	293	LN25	277, 287	NN54V	329
CK23	290	HS11V	293	LN25BP	288	NN55	329
CK3	291	HS12	293	LN25MM	287	NN55G	329
CN255	324	HS12V	293	LN26	277	NN55V	329
CN255G	324	HS14	293	LN27	277	NN7776	330
CN255V	324	HS14V	293	LN28	277	NN7776G	330
CN54G	327	HS16	293	LN28BP	288	NN7776V	330
CN55G	327	HS16V	293	LN2MM	287	P1	296, 298
CN7776	330	HS18	293	LN3MM	287	P10	297, 298
CR1	290	HS18V	293	LN4MM	287	P12S	284, 345
CR1V	290	HS6	293	LN54	324, 331	P12SV	284
CR2	290	HS618	296	LN542	325	P18	277
CR2V	290	HS7	293	LN54G	325	P19	277, 298
D100	354, 355	HS8	293	LN54GV	325	P20	277, 298
D101	356	HS8V	293	LN54V	324	P21	277
D102	356	HS9	293	LN55	326	P22	277, 298
D104	356	HS9V	293	LN55V	326	P23	277, 298
D105	357	K22	341	LN764	277, 287	P24	277
D106	357	K22V	341	LN764BP	288	P3321	296
D107	357	L10	293	LN774512	329	P35MM	297
D109	358	L10M	294	LN775512	330	P3MM	297
		L10MV	294	LN775512G	330	P4	297

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
P5.....	297	R3324V.....	281	SN55V.....	326	XNB103.....	344
P6.....	297, 298	R388.....	282	SRX33.....	286	XNB103B.....	344
P764.....	277	R5164.....	282	SX101.....	284	XNB105.....	344
P8.....	297, 298	R5166.....	282	SX102.....	284	XNB201.....	344
P964.....	277	R5168.....	282	TA2.....	296, 297, 298, 299	XNB203.....	344
PS120.....	297	R5323.....	282	TC55.....	315, 326	XNB205.....	344
PS120V.....	297	R5324.....	282	TCA100ST.....	347	XNB301.....	344
PS121MM.....	297	R5325.....	282	TCA150ST.....	350	XNS100.....	344
PS130.....	298	RB1.....	290	TCMB100MT.....	348	XP600.....	280
PS130V.....	298	RB2.....	290	TCMB100MTW.....	346	XPE500.....	281
PS88.....	296	RN54.....	327	TCMB100ST.....	348	XPE700.....	281
PS88V.....	296	S141.....	283, 345	TCMB100STW.....	346	XPTX600.....	280
PS89.....	298	S1415JS.....	315, 321	TCMB150MT.....	351	XSST3.....	342
PS89V.....	298	S144.....	283	TCMB150ST.....	351	XSST3CV.....	342
PS90MM.....	299	S146.....	283	TCS100ST.....	349	XSST3V.....	342
R1410.....	282	S2K.....	334	TCS150MT.....	352	XSST4V.....	342
R144.....	282, 345	S3161.....	283	TCS150ST.....	352	XSST5V.....	342
R144V.....	282	S3163.....	283	TCS200ST.....	353	XSST7V.....	342
R146.....	282	S3164.....	283	TKX11.....	345	XST100.....	285
R146V.....	282	S3166.....	283	TSD1V.....	292	XST100V.....	285
R148.....	282	S3812.....	283	W9210ME.....	345	XST101.....	285
R181.....	281	S388.....	283	X100.....	285	XST1010.....	285
R1810.....	282	S424NJS.....	315, 320	X101.....	285, 345	XST101V.....	285
R181V.....	281	S424NJSV.....	327	X1010.....	285	XST102.....	285
R182.....	282	S475NJS.....	327	X101V.....	285	XST1020.....	285
R182V.....	282	S475NJSV.....	327	X102.....	285	XST102V.....	285
R183.....	281, 282	S5164.....	283	X1020.....	285	XST3.....	286
R183V.....	281, 282	S5166.....	283	X102V.....	285	XST5.....	286
R184.....	282, 345	S5168.....	283	X103.....	285	XTD10.....	279, 286
R184V.....	282	S54N.....	315, 321	X108.....	285	XTD10XL.....	286
R186.....	282	S54NKS.....	315, 321	X108V.....	285	XTD15.....	279, 286
R186V.....	282	S54NS.....	315, 321	XHT412.....	342	XTD15XL.....	286
R188.....	282	S54NSV.....	321	XHT434.....	342	XTD20.....	279, 286
R188V.....	282	S55N.....	315, 322	XHT600.....	342	XTD25.....	279, 286
R31610.....	282	S55NKS.....	315, 322	XHT612.....	342	XTD27.....	279, 286
R3163.....	282	S55NS.....	315, 322	XHT678.....	342	XTD30.....	279, 286
R3164.....	282	S55S.....	322, 329	XHT700.....	342	XTD6.....	286
R3164V.....	282	SAS3210.....	360	XL70.....	340	XTD6V.....	286
R3166.....	282	SAS3210RB.....	361	XL75.....	340	XTD8.....	279, 286
R3166V.....	282	SAS3210TRB.....	361	XL75V.....	340	XTD8V.....	286
R3168.....	282	SD3V.....	286	XN100.....	343		
R3322.....	281	SDR11.....	283	XN100B.....	343		
R3322V.....	281	SDS44.....	284	XN200.....	343		
R3323.....	281	SDX22.....	286	XN210.....	343		
R3323V.....	281	SN54.....	315, 326, 331	XN300.....	343		
R3324.....	281	SN55.....	315, 326	XNB101.....	344		