

# Xcelite®



Precision screwdrivers,  
nutdrivers, pliers,  
cutters, and 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.

#### 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

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Torx® is the trademark of Camcar Division of Textron Inc.  
Allen® is a registered trademark of Apex Brands, Inc.  
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## Xcelite® Tool Selection Guide

### Allen® Type Hex Socket Screws



Xcelite driver or blade

| Cap screws 1960 series<br>Nominal screw sizes | 1936 series. | Flat head<br>cap screws | Button head<br>cap screws | Shoulder<br>screwsh | Set screws | Catalog number  | Hex size<br>(inches) |
|-----------------------------------------------|--------------|-------------------------|---------------------------|---------------------|------------|-----------------|----------------------|
| -                                             | -            | -                       | -                         | -                   | 0          |                 | .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, 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, 99764    | 7/64                 |
| -                                             | 8            | 10                      | 10                        | 1/4                 | 1/4        | 9924            | 1/8                  |
| 8                                             | -            | -                       | -                         | -                   | -          | LN964, 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        | 9926            | 3/16                 |
| -                                             | 5/16         | 3/8                     | 3/8                       | -                   | 7/16       |                 | 7/32                 |
| 5/16                                          | -            | 7/16                    | -                         | 1/2                 | 1/2        |                 | 1/4                  |

### Phillips® Type Screws



Xcelite driver or blade

| Wood screw<br>Flat<br>Oval | Round    | Machine<br>screw<br>Flat<br>Oval<br>Binding | Round<br>Fillister | Sheetmetal<br>Truss<br>Brazier<br>Button | Flat<br>Round<br>Oval<br>Stove<br>Binding | Point size | Blade<br>diameter<br>(inches) |
|----------------------------|----------|---------------------------------------------|--------------------|------------------------------------------|-------------------------------------------|------------|-------------------------------|
| 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"                              | -                                         | 7/64       |                               |
| 24                         | 24       | 7/16", 1/2"                                 | 1/2"               | 7/16", 1/2"                              |                                           | 4          | 3/8                           |
| -                          | -        | -                                           | -                  | -                                        | LN964, 99964                              | 9/64       |                               |
| 10&12                      | 1/4      | 1/4                                         | 5/16               | 5/16                                     | LN25, 9925                                | 5/32       |                               |
| 1/4                        | 5/16     | 5/16                                        | 3/8                | 3/8                                      | 9926                                      | 3/16       |                               |
| 5/16                       | 3/8      | 3/8                                         | -                  | 7/16                                     |                                           | 7/32       |                               |
| -                          | 7/16     | -                                           | 1/2                | 1/2                                      |                                           | 1/4        |                               |

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



Xcelite blade

| Set screws  | Cap screws<br>1960 screws. | Flat head   | Button head | Catalog<br>number | Tip size<br>(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. 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                |

### Slotted Screws

Xcelite driver  
or blade

| Screw size | Tip size<br>(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                  |

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 Screws

Xcelite driver  
or blade

| Screw size | Tip size<br>(inches). | Screw size | Tip size<br>(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.

## Xcelite® Tool Selection Guide

### Hex Head Bolts and Hex Head Cap Screws

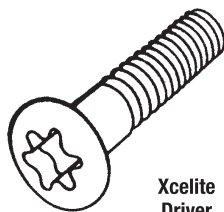


Xcelite  
nutdriver or  
blade

| 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.

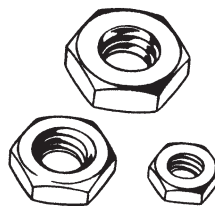
### Torx® Screws



Xcelite  
Driver

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

### Hex Machine Screw Nuts



Xcelite  
nutdriver or  
blade

| Nut size (inches) | For screw diameter. | Number* | Hex opening. |
|-------------------|---------------------|---------|--------------|
| 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.

### 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

## Screwdrivers

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

### 6-Piece Precision Electronic Screwdriver Set



- 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

| Catalog number | UPC No.      | Packed       | Description                                                          | Contents                                                                                                                                                                                                                                  | Product Weight |
|----------------|--------------|--------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>XP600</b>   | 037103157513 | Storage Case | 6 Piece ESD safe slotted/Phillips® screwdriver set with storage case | 1.5mm x 60mm slotted tip screwdriver<br>2.0mm x 60mm slotted tip screwdriver<br>2.5mm x 60mm slotted tip screwdriver<br>3.0mm x 60mm slotted tip screwdriver<br>#0 point Phillips® tip screwdriver<br>#00 point Phillips® tip screwdriver | 0.50 lb        |

### 6-Piece Precision Electronic Torx® Set



- 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

| Catalog number | UPC No.      | Packed       | Description                                              | Contents                                                                                                                                                                                                                                                                                 | Product Weight |
|----------------|--------------|--------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>XPTX600</b> | 037103157720 | Storage Case | 6 Piece ESD safe Torx® screwdriver set with storage case | (1) #5 point standard Torx® tip screwdriver<br>(1) #6 point standard Torx® tip screwdriver<br>(1) #7 point standard Torx® tip screwdriver<br>(1) #8 point standard Torx® tip screwdriver<br>(1) #10 point standard Torx® tip screwdriver<br>(1) #15 point standard Torx® tip screwdriver | 0.50 lb        |

### 6-Piece Precision Electronic Nutdriver Set



- 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

| Catalog number | UPC No.      | Packed       | Contents                                           | Blade Length | Overall Length | Product Weight |
|----------------|--------------|--------------|----------------------------------------------------|--------------|----------------|----------------|
| <b>XPND600</b> | 037103265449 | Storage Case | 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" nutdrivers | 2.25 in      | 6.25 in        | 0.50 lb        |

## 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.      | Packaging           | Description                                                   | Contents                                                                                                                                                                                                                                                                                                                      | Product Weight |
|----------|--------------|---------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| XPE500   | 037103183323 | Hanging Display Box | 5 Piece ESD safe slotted/Phillips® Pro Series screwdriver set | (1) Phillips® tip Ergo handle screwdriver, #1 x 4"<br>(1) Phillips® tip Ergo handle screwdriver, #2 x 4"<br>(1) Slotted tip screwdriver, 1/8" x 4"<br>(1) Slotted tip screwdriver, 3/16" x 6"<br>(1) Slotted tip screwdriver, 1/4" x 4"                                                                                       | 0.87 lb        |
| XPE700   | 037103153838 | Hanging Display Box | 7 Piece ESD safe slotted/Phillips® Pro Series screwdriver set | (1) Phillips® tip Ergo handle screwdriver, #1 x 4"<br>(1) Phillips® tip Ergo handle screwdriver, #2 x 4"<br>(1) Slotted tip screwdriver, 1/8" x 4"<br>(1) Slotted tip screwdriver, 5/32" x 4"<br>(1) Slotted tip screwdriver, 5/32" x 6"<br>(1) Slotted tip screwdriver, 3/16" x 6"<br>(1) Slotted tip screwdriver, 1/4" x 4" | 0.97 lb        |

## 6-Piece Ergonic® Screwdriver Set

ergonic



- Ergonic® soft inner core conforms to hand as torque is applied for maximum comfort, slip resistance and 20%-30% more torque
- Precision machined tip to prevent point loading and deformation of fastener
- Smooth shatterproof seamless handle cap with easy hang-through hole design
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle co-molded to blade for maximum adherence
- Durable satin finish chrome molybdenum steel shafts
- Black oxide all steel tip for maximum strength, precision fit and minimized light reflection

| Cat. No. | UPC No.      | Packaging   | Product Weight |
|----------|--------------|-------------|----------------|
| XPS600   | 037103265470 | Display Box | 1.11 lb        |

| Cat. No. | Description                         | Qty. | Cat. No. | Description                        | Qty. |
|----------|-------------------------------------|------|----------|------------------------------------|------|
| XPS184   | Screwdriver, 1/8" Slotted Ergonic®  | 1    | XPS5144  | Screwdriver, 1/4" Slotted Ergonic® | 1    |
| XPS5324  | Screwdriver, 5/32" Slotted Ergonic® | 1    | XPS1014  | Screwdriver, #1 Phillips® Ergonic® | 1    |
| XPS3164  | Screwdriver, 3/16" Slotted Ergonic® | 1    | XPS1024  | Screwdriver, #2 Phillips® Ergonic® | 1    |

## Ergonic® Screwdrivers - Phillips®

Ergonic®



- Ergonic® soft inner core conforms to hand as torque is applied for maximum comfort, slip resistance and 20%-30% more torque
- Precision machined tip to prevent point loading and deformation of fastener
- Smooth shatterproof seamless handle cap with easy hang-through hole design
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle co-molded to blade for maximum adherence
- Durable satin finish chrome molybdenum steel shafts
- Black oxide all steel tip for maximum strength, precision fit and minimized light reflection

| Catalog number | UPC No.      | Packaging | Tip Size | Blade Length | Overall Length | Product Weight |
|----------------|--------------|-----------|----------|--------------|----------------|----------------|
| XPS1014        | 037103265487 | Hang Tab  | #1       | 3 in         | 7 in           | 0.11 lb        |
| XPS1024        | 037103265494 | Hang Tab  | #2       | 4 in         | 8 in           | 0.20 lb        |

## Ergonic® Screwdrivers - Slotted

Ergonic®



- Ergonic® soft inner core conforms to hand as torque is applied for maximum comfort, slip resistance and 20%-30% more torque
- Precision machined tip to prevent point loading and deformation of fastener
- Smooth shatterproof seamless handle cap with easy hang-through hole design
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle co-molded to blade for maximum adherence
- Durable satin finish chrome molybdenum steel shafts
- Black oxide all steel tip for maximum strength, precision fit and minimized light reflection

| Catalog number | UPC No.      | Packaging | Tip Size | Blade Length | Overall Length | Product Weight |
|----------------|--------------|-----------|----------|--------------|----------------|----------------|
| XPS184         | 037103265463 | Hang Tab  | 1/8"     | 4 in         | 7.50 in        | 0.08 lb        |
| XPS5324        | 037103265371 | Hang Tab  | 5/32"    | 4 in         | 7.75 in        | 0.11 lb        |
| XPS3164        | 037103265500 | Hang Tab  | 3/16"    | 6 in         | 10.00 in       | 0.17 lb        |
| XPS5144        | 037103265456 | Hang Tab  | 1/4"     | 4 in         | 8.00 in        | 0.20 lb        |

## 8-in-1 Screwdriver



- Ergonomic soft-grip handle for maximum torque
- Telescopic turn-and-click depot of 7 bits
- 1/4" hex driver utilized with strong magnetic bit holding power
- Includes 8 Industrial grade bits
- Chrome-molybdenum vanadium steel blade provides superior strength
- Durable low glare satin finish shaft
- Thumb bolster for added downward force
- No-roll handle design keeps screwdriver from rolling off uneven surfaces

| Catalog number | UPC No.      | Packaging | Contents                                                                          | Blade Length | Overall Length | Product Weight |
|----------------|--------------|-----------|-----------------------------------------------------------------------------------|--------------|----------------|----------------|
| XPMB8          | 037103265432 | Carded    | Industrial grade bits: Phillips #1, #2, #3<br>Slotted 1/8", 3/16" Torx 15, 20, 25 | 3 in         | 7 in           | 0.11 lb        |

## Extra Long Screw-Holding Screwdrivers - Slotted



- Unbeatable screw holding flexibility around hard to reach areas requiring screw extraction, replacement and or tightening
- Screw-holding screwdrivers are ESD safe for protection to static sensitive components
- Ergonomic handle design allows sustained high torque
- Smooth shatterproof seamless handle cap
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle core
- Durable satin finish chrome molybdenum steel shafts
- Easy hang-through hole design

| Catalog number | UPC No.      | Packaging | Tip Size | Blade Length | Overall Length | Product Weight |
|----------------|--------------|-----------|----------|--------------|----------------|----------------|
| XPHS188        | 037103265388 | Hang Tab  | 1/8"     | 7 3/4 in     | 11 in          | 0.10 lb        |
| XPHS5328       | 037103265425 | Hang Tab  | 5/32"    | 7 3/4 in     | 11 1/4 in      | 0.14 lb        |
| XPHS3168       | 037103265418 | Hang Tab  | 3/16"    | 7 3/4 in     | 11 1/4 in      | 0.22 lb        |

## Extra Long Screw-Holding Screwdriver - Phillips®



- Unbeatable screw holding flexibility around hard to reach areas requiring screw extraction, replacement and or tightening
- Screw-holding screwdrivers are ESD safe for protection to static sensitive components
- Ergonomic handle design allows sustained high torque
- Smooth shatterproof seamless handle cap
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle core
- Durable satin finish chrome molybdenum steel shafts
- Easy hang-through hole design

| Catalog number | UPC No.      | Packaging | Tip Size | Blade Length | Overall Length | Product Weight |
|----------------|--------------|-----------|----------|--------------|----------------|----------------|
| XPHS1018       | 037103265395 | Hang Tab  | #1       | 7 3/4 in     | 11 in          | 0.17 lb        |
| XPHS1028       | 037103265401 | Hang Tab  | #2       | 7 3/4 in     | 11 1/4 in      | 0.25 lb        |

## Pocket Clip Style - Round Blade



Blade made from AISI 6150 chrome vanadium steel

| Catalog Number | UPC Number   | Packed | Handle color | Blade diameter (inch) | Length (inch) | Length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Screwdriver length |
|----------------|--------------|--------|--------------|-----------------------|---------------|-------------|---------------------------|-------------------------|--------------------|
| <b>R3322</b>   | 037103485656 | Boxed  | Green        | 3/32                  | 2             | 51          | 4 1/4                     | 108                     | 12                 |
| <b>R3322V</b>  | 037103485663 | Carded | Green        | 3/32                  | 2             | 51          | 4 1/4                     | 108                     | 12                 |
| <b>R3323</b>   | 037103485670 | Boxed  | Green        | 3/32                  | 3             | 76          | 5 1/4                     | 133                     | 12                 |
| <b>R3323V</b>  | 037103488725 | Carded | Green        | 3/32                  | 3             | 76          | 5 1/4                     | 133                     | 6                  |
| <b>R3324</b>   | 037103485687 | Boxed  | Green        | 3/32                  | 4             | 102         | 6 1/4                     | 159                     | 12                 |
| <b>R3324V</b>  | 037103488732 | Carded | Green        | 3/32                  | 4             | 102         | 6 1/4                     | 159                     | 6                  |
| <b>R181</b>    | 037103485458 | Boxed  | Red          | 1/8                   | 2             | 51          | 4 1/4                     | 108                     | 12                 |
| <b>R181V</b>   | 037103485465 | Carded | Red          | 1/8                   | 2             | 51          | 4 1/4                     | 108                     | 12                 |
| <b>R183</b>    | 037103485489 | Boxed  | Red          | 1/8                   | 3             | 76          | 5 1/4                     | 133                     | 6                  |
| <b>R183V</b>   | 037103488688 | Carded | Red          | 1/8                   | 3             | 76          | 5 1/4                     | 133                     | 6                  |

## Regular - Round Blade



R184



R144



R3166



R148

| Catalog Number | UPC Number   | Packed | Blade diameter (inch) | Blade length (inch) | Blade length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>R182</b>    | 037103485472 | Boxed  | 1/8                   | 2                   | 51                | 4 5/8                     | 117                     | 6          |
| <b>R182V</b>   | 037103488671 | Carded | 1/8                   | 2                   | 51                | 4 5/8                     | 117                     | 6          |
| <b>R183</b>    | 037103485489 | Boxed  | 1/8                   | 3                   | 76                | 5 1/4                     | 133                     | 6          |
| <b>R183V</b>   | 037103488688 | Carded | 1/8                   | 3                   | 76                | 5 1/4                     | 133                     | 6          |
| <b>R184</b>    | 037103485496 | Boxed  | 1/8                   | 4                   | 102               | 6 5/8                     | 168                     | 6          |
| <b>R184V</b>   | 037103485502 | Carded | 1/8                   | 4                   | 102               | 6 5/8                     | 168                     | 6          |
| <b>R186</b>    | 037103485519 | Boxed  | 1/8                   | 6                   | 152               | 8 5/8                     | 219                     | 6          |
| <b>R186V</b>   | 037103485526 | Carded | 1/8                   | 6                   | 152               | 8 5/8                     | 219                     | 6          |
| <b>R188</b>    | 037103485533 | Boxed  | 1/8                   | 8                   | 203               | 10 5/8                    | 270                     | 6          |
| <b>R188V</b>   | 037103485540 | Carded | 1/8                   | 8                   | 203               | 10 5/8                    | 270                     | 6          |
| <b>R1810</b>   | 037103485571 | Boxed  | 1/8                   | 10                  | 254               | 12 5/8                    | 321                     | 6          |
| <b>R5323</b>   | 037103485731 | Boxed  | 5/32                  | 3                   | 76                | 5 5/8                     | 143                     | 6          |
| <b>R5324</b>   | 037103485748 | Boxed  | 5/32                  | 4                   | 102               | 6 5/8                     | 168                     | 6          |
| <b>R5325</b>   | 037103485755 | Boxed  | 5/32                  | 5                   | 127               | 7 5/8                     | 194                     | 6          |
| <b>R3163</b>   | 037103485588 | Boxed  | 3/16                  | 3                   | 76                | 6 5/8                     | 168                     | 6          |
| <b>R3164</b>   | 037103485601 | Boxed  | 3/16                  | 4                   | 102               | 7 5/8                     | 194                     | 6          |
| <b>R3164V</b>  | 037103485618 | Carded | 3/16                  | 4                   | 102               | 7 5/8                     | 194                     | 6          |
| <b>R3166</b>   | 037103485625 | Boxed  | 3/16                  | 6                   | 152               | 9 5/8                     | 244                     | 6          |
| <b>R3166V</b>  | 037103485632 | Carded | 3/16                  | 6                   | 152               | 9 5/8                     | 244                     | 6          |
| <b>R3168</b>   | 037103485649 | Boxed  | 3/16                  | 8                   | 203               | 11 5/8                    | 295                     | 6          |
| <b>R31610</b>  | 037103485786 | Boxed  | 3/16                  | 10                  | 254               | 13 5/8                    | 346                     | 6          |
| <b>R144</b>    | 037103485403 | Boxed  | 1/4                   | 4                   | 102               | 8 1/8                     | 206                     | 6          |
| <b>R144V</b>   | 037103485410 | Carded | 1/4                   | 4                   | 102               | 8 1/8                     | 206                     | 6          |
| <b>R146</b>    | 037103485427 | Boxed  | 1/4                   | 6                   | 152               | 10 1/8                    | 257                     | 6          |
| <b>R146V</b>   | 037103485434 | Carded | 1/4                   | 6                   | 152               | 10 1/8                    | 257                     | 6          |
| <b>R148</b>    | 037103485441 | Boxed  | 1/4                   | 8                   | 203               | 12 1/8                    | 308                     | 6          |
| <b>R1410</b>   | 037103485564 | Boxed  | 1/4                   | 10                  | 254               | 14 1/8                    | 359                     | 6          |
| <b>R5164</b>   | 037103485694 | Boxed  | 5/16                  | 4                   | 102               | 8 1/2                     | 216                     | 6          |
| <b>R5166</b>   | 037103485700 | Boxed  | 5/16                  | 6                   | 152               | 10 1/2                    | 267                     | 6          |
| <b>R5168</b>   | 037103485724 | Boxed  | 5/16                  | 8                   | 203               | 12 1/2                    | 317                     | 6          |
| <b>R388</b>    | 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)

| Catalog number | UPC No.      | Packed | Description                                   | Shelf pack |
|----------------|--------------|--------|-----------------------------------------------|------------|
| <b>SDR11</b>   | 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

| Catalog Number | UPC Number   | Packed | Blade diameter (inch) | Blade length (inch) | Blade length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>S3161</b>   | 037103485922 | Boxed  | 3/16                  | 1 1/4               | 32                | 3 1/4                     | 83                      | 6          |
| <b>S141</b>    | 037103485854 | Boxed  | 1/4                   | 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

| Catalog Number | UPC Number   | Packed | Blade diameter (inch) | Length (inch) | Length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------------|---------------|-------------|---------------------------|-------------------------|------------|
| <b>S3163</b>   | 037103485939 | Boxed  | 3/16                  | 3             | 76          | 6 5/8                     | 168                     | 6          |
| <b>S3164</b>   | 037103485953 | Boxed  | 3/16                  | 4             | 702         | 7 5/8                     | 194                     | 6          |
| <b>S3166</b>   | 037103485977 | Boxed  | 3/16                  | 6             | 152         | 9 5/8                     | 244                     | 6          |
| <b>S144</b>    | 037103485861 | Boxed  | 1/4                   | 4             | 102         | 8 1/8                     | 206                     | 6          |
| <b>S146</b>    | 037103485885 | Boxed  | 1/4                   | 6             | 152         | 10 1/8                    | 257                     | 6          |
| <b>S5164</b>   | 037103486028 | Boxed  | 5/16                  | 4             | 102         | 8 1/2                     | 216                     | 6          |
| <b>S5166</b>   | 037103486035 | Boxed  | 5/16                  | 6             | 152         | 10 1/2                    | 216                     | 6          |
| <b>S5168</b>   | 037103486059 | Boxed  | 5/16                  | 8             | 203         | 12 1/2                    | 317                     | 6          |
| <b>S388</b>    | 037103485915 | Boxed  | 3/8                   | 8             | 203         | 12 1/2                    | 317                     | 6          |
| <b>S3812</b>   | 037103486004 | Boxed  | 3/8                   | 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)

| Catalog number | UPC No.      | Packed | Description                                    | Shelf pack |
|----------------|--------------|--------|------------------------------------------------|------------|
| <b>SDS44</b>   | 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"

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Blade length (inch) | Blade length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>P12S</b>    | 037103484857 | Boxed  | 0          | 1/8                   | 2                   | 51                | 4 1/4                     | 108                     | 12         |
| <b>P12SV</b>   | 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

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Blade length (inch) | Blade length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>SX101</b>   | 037103486226 | Boxed  | 1          | 3/16                  | 1 1/4               | 32                | 3 1/4                     | 83                      | 6          |
| <b>SX102</b>   | 037103486233 | Boxed  | 2          | 1/4                   | 1 5/16              | 33                | 3 3/8                     | 86                      | 6          |

## Screwdriver - Scrulox Type



- Round blade for Scrulox fasteners
- Shanks plated for protection

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Blade length (inch) | Blade length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>SL2V</b>    | 037103488022 | Carded | #2         | 19/64                 | 7 5/8               | 194               | 3 1/2                     | 89                      | 6          |

## Regular – Phillips® Type



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

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Length (inch) | Length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------|-------------|---------------------------|-------------------------|------------|
| <b>X100</b>    | 037103486370 | Boxed  | 0          | 1/8                   | 2             | 50          | 4 5/8                     | 117                     | 6          |
| <b>X101</b>    | 037103486394 | Boxed  | 1          | 3/16                  | 3             | 76          | 6 5/8                     | 168                     | 6          |
| <b>X101V</b>   | 037103486400 | Carded | 1          | 3/16                  | 3             | 76          | 6 5/8                     | 168                     | 6          |
| <b>X108</b>    | 037103486462 | Boxed  | 1          | 3/16                  | 6             | 152         | 9 5/8                     | 244                     | 6          |
| <b>X108V</b>   | 037103486479 | Carded | 1          | 3/16                  | 6             | 152         | 9 5/8                     | 244                     | 6          |
| <b>X102</b>    | 037103486417 | Boxed  | 2          | 1/4                   | 4             | 102         | 8 1/8                     | 206                     | 6          |
| <b>X102V</b>   | 037103486424 | Carded | 2          | 1/4                   | 4             | 102         | 8 1/8                     | 206                     | 6          |
| <b>X103</b>    | 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

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Blade length (inch) | Blade length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>X1010</b>   | 037103486486 | Boxed  | 1          | 3/16                  | 10                  | 254               | 13 5/8                    | 346                     | 6          |
| <b>X1020</b>   | 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

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Length (inch) | Length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------|-------------|---------------------------|-------------------------|------------|
| <b>XST100</b>  | 037103486738 | Boxed  | 0          | 1/8                   | 2             | 50          | 4 5/8                     | 117                     | 6          |
| <b>XST100V</b> | 037103486745 | Carded | 0          | 1/8                   | 2             | 50          | 4 5/8                     | 117                     | 6          |
| <b>XST101</b>  | 037103486752 | Boxed  | 1          | 3/16                  | 3             | 76          | 6 5/8                     | 168                     | 6          |
| <b>XST101V</b> | 037103486769 | Carded | 1          | 3/16                  | 3             | 76          | 6 5/8                     | 168                     | 6          |
| <b>XST102</b>  | 037103486776 | Boxed  | 2          | 1/4                   | 4             | 102         | 8 1/8                     | 206                     | 6          |
| <b>XST102V</b> | 037103486783 | Carded | 2          | 1/4                   | 4             | 102         | 8 1/8                     | 206                     | 6          |
| <b>XST1010</b> | 037103486790 | Boxed  | 1          | 3/16                  | 10            | 254         | 13 5/8                    | 371                     | 6          |
| <b>XST1020</b> | 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

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Length (inch) | Length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------|-------------|---------------------------|-------------------------|------------|
| <b>XTD6</b>    | 037103490551 | Boxed  | T-6        | 3                     | 76            | 6 5/8       | 168                       | 6                       | 6          |
| <b>XTD6V</b>   | 037103490568 | Carded | T-6        | 3                     | 76            | 6 5/8       | 168                       | 6                       | 6          |
| <b>XTD8</b>    | 037103490407 | Boxed  | T-8        | 3                     | 76            | 6 5/8       | 168                       | 6                       | 6          |
| <b>XTD8V</b>   | 037103490414 | Carded | T-8        | 3                     | 76            | 6 5/8       | 168                       | 6                       | 6          |
| <b>XTD10</b>   | 037103488039 | Boxed  | T-10       | 3                     | 76            | 6 5/8       | 168                       | 6                       | 6          |
| <b>XTD10XL</b> | 037103491312 | Boxed  | T-10       | 11                    | 279           | 15 1/4      | 387                       | 6                       | 6          |
| <b>XTD15</b>   | 037103488053 | Boxed  | T-15       | 3                     | 76            | 6 5/8       | 168                       | 6                       | 6          |
| <b>XTD15XL</b> | 037103491329 | Boxed  | T-15       | 11                    | 279           | 15 1/4      | 387                       | 6                       | 6          |
| <b>XTD20</b>   | 037103488077 | Boxed  | T-20       | 3                     | 76            | 6 5/8       | 168                       | 6                       | 6          |
| <b>XTD25</b>   | 037103488091 | Boxed  | T-25       | 3                     | 76            | 6 5/8       | 168                       | 6                       | 6          |
| <b>XTD27</b>   | 037103488114 | Boxed  | T-27       | 4 1/2                 | 105           | 8 5/8       | 220                       | 6                       | 6          |
| <b>XTD30</b>   | 037103488138 | Boxed  | T-30       | 4 1/2                 | 105           | 8 5/8       | 220                       | 6                       | 6          |

## Driver Sets



**SDX22**

**XST3**

**XST5**

**SD3V**

**SRX33**

- **SDX22** contains Phillips® Xcelite® Catalog No. X100, X101, X102, X103, SX102
- **191** contains Xcelite® Catalog No. 5MM, 55MM, 6MM, 7MM, 8MM, 9MM and 10MM
- **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

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

## Allen® Hex Socket Type Screwdrivers - Inch Sizes



LN25

- Allen® hex socket type screwdrivers
- Screwdriver for recessed socket head screws
- Inch sizes

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Length (inch) | Length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------|-------------|---------------------------|-------------------------|------------|
| <b>LN20</b>    | 037103484468 | Boxed  | .050       | 4                     | 102           | 6 5/8       | 168                       | 6                       | 6          |
| <b>LN21</b>    | 037103484475 | Boxed  | 1/16       | 4                     | 102           | 6 5/8       | 168                       | 6                       | 6          |
| <b>LN21V</b>   | 037103488275 | Carded | 1/16       | 4                     | 102           | 6 5/8       | 168                       | 6                       | 6          |
| <b>LN22</b>    | 037103484482 | Boxed  | 5/64       | 4                     | 102           | 6 5/8       | 168                       | 6                       | 6          |
| <b>LN22V</b>   | 037103488282 | Carded | 5/64       | 4                     | 102           | 6 5/8       | 168                       | 6                       | 6          |
| <b>LN23</b>    | 037103484499 | Boxed  | 3/32       | 4                     | 102           | 7 1/8       | 190                       | 6                       | 6          |
| <b>LN23V</b>   | 037103488299 | Carded | 3/32       | 4                     | 102           | 7 1/8       | 190                       | 6                       |            |
| <b>LN764</b>   | 037103484550 | Boxed  | 7/64       | 4                     | 102           | 7 1/8       | 190                       | 6                       | 6          |
| <b>LN964</b>   | 037103484567 | Boxed  | 9/64       | 4                     | 102           | 7 1/8       | 190                       | 6                       | 6          |
| <b>LN25</b>    | 037103484512 | Boxed  | 5/32       | 6                     | 152           | 9 1/8       | 232                       | 6                       | 6          |

## Allen® Hex Socket Type Screwdrivers - Metric Sizes



- Allen® hex socket type screwdrivers
- Screwdriver for recessed socket head screws
- Metric sizes

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Length (inch) | Length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------|-------------|---------------------------|-------------------------|------------|
| <b>LN15MM</b>  | 037103484277 | Boxed  | 1.5        | -                     | 102           | -           | 168                       | 6                       | 6          |
| <b>LN2MM</b>   | 037103484284 | Boxed  | 2          | -                     | 102           | -           | 168                       | 6                       | 6          |
| <b>LN25MM</b>  | 037103484291 | Boxed  | 2.5        | -                     | 102           | -           | 181                       | 6                       | 6          |
| <b>LN3MM</b>   | 037103484307 | Boxed  | 3          | -                     | 102           | -           | 181                       | 6                       | 6          |
| <b>LN4MM</b>   | 037103484314 | Boxed  | 4          | -                     | 102           | -           | 181                       | 6                       | 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

| Catalog number | UPC No.      | Packed      | Description                                                                | Shelf pack |
|----------------|--------------|-------------|----------------------------------------------------------------------------|------------|
| <b>LN11</b>    | 037103484451 | Canvas case | Complete set of LN series Allen® hex type screwdrivers, 0.050" - 1/4"      | 1          |
| <b>LN8MM</b>   | 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

| Catalog Number | UPC Number   | Packed | Point size | Blade diameter (inch) | Length (inch) | Length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|---------------|-------------|---------------------------|-------------------------|------------|
| <b>LN20BP</b>  | 037103484574 | Boxed  | .050       | 4                     | 102           | 6 5/8       | 168                       | 6                       | 6          |
| <b>LN21BP</b>  | 037103484581 | Boxed  | 1/16       | 4                     | 102           | 6 5/8       | 168                       | 6                       | 6          |
| <b>LN22BP</b>  | 037103484598 | Boxed  | 5/64       | 4                     | 102           | 6 5/8       | 168                       | 6                       | 6          |
| <b>LN23BP</b>  | 037103484604 | Boxed  | 3/32       | 4                     | 102           | 7 1/8       | 181                       | 6                       | 6          |
| <b>LN764BP</b> | 037103484666 | Boxed  | 7/64       | 4                     | 102           | 7 1/8       | 181                       | 6                       |            |
| <b>LN964BP</b> | 037103484673 | Boxed  | 9/64       | 4                     | 102           | 7 1/8       | 181                       | 6                       | 6          |
| <b>LN25BP</b>  | 037103484628 | Boxed  | 5/32       | 4                     | 102           | 7 1/8       | 181                       | 6                       | 6          |
| <b>LN28BP</b>  | 037103484659 | Boxed  | 1/4        | 4                     | 102           | 8 1/8       | 206                       | 6                       | 6          |

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



- Ballpoint, Allen® hex socket type screwdrivers
- Roll-up canvas case
- Inch sizes

| Catalog number | UPC No.      | Packed      | Description                                                                   | Shelf pack |
|----------------|--------------|-------------|-------------------------------------------------------------------------------|------------|
| <b>LN9BP</b>   | 037103484444 | 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

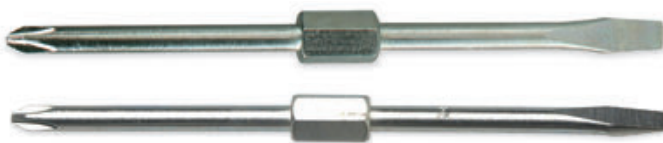
### No. 25 Handle



- Color of handle: Amber
- Use with reversible blades

| Catalog number | UPC No.      | Packed | Description        | Shelf (inch)  | Shelf (mm) | Shelf pack |
|----------------|--------------|--------|--------------------|---------------|------------|------------|
| <b>25</b>      | 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

| Catalog Number | UPC Number   | Packed | Blade diameter (inch) | Blade diameter (inch) | Description                     | Blade length (inch) | Blade length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------------|-----------------------|---------------------------------|---------------------|-------------------|------------|
| <b>RB1</b>     | 037103485793 | Boxed  | 3/16                  | 5                     | No. 1 Phillips® – 3/16" slotted | 6 5/8               | 6                 | 6          |
| <b>RB1</b>     | 037103485793 | Boxed  | 1/4                   | 6                     | No. 2 Phillips® – 1/4" slotted  | 6 5/8               | 6                 | 6          |

## Combination Reversible Blades and Handles



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

| Catalog number | UPC No.      | Packed | Screwdriver length description | Shelf (inch) | Shelf (mm) | Shelf pack |
|----------------|--------------|--------|--------------------------------|--------------|------------|------------|
| <b>CR1</b>     | 037103483904 | Boxed  | No. 25 handle & RB1 blade      | 7 1/4        | 184.15     | 6          |
| <b>CR1V</b>    | 037103483911 | Carded | No. 25 handle & RB1 blade      | 7 1/4        | 184.15     | 6          |
| <b>CR2</b>     | 037103483928 | Boxed  | No. 25 handle & RB2 blade      | 7 1/4        | 184.15     | 6          |
| <b>CR2V</b>    | 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

| Catalog Number | UPC Number   | Description                                                | Shelf pack |
|----------------|--------------|------------------------------------------------------------|------------|
| <b>CK20</b>    | 037103483881 | Zipper case with RB1, RB2 blades and No. 25 handle         | 6          |
| <b>CK23</b>    | 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

| Catalog Number | UPC Number   | Description                                         | Shelf pack |
|----------------|--------------|-----------------------------------------------------|------------|
| <b>CK3</b>     | 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 (3/16") or Phillips® No. 1 head screws
- Double-ended handle serves as 2 sizes of nutdrivers (7/16" and 1/4")

| Catalog number | UPC No.      | Packed | Screwdriver length description | Shelf pack |
|----------------|--------------|--------|--------------------------------|------------|
| <b>600</b>     | 037103483690 | Boxed  | 4-way pocket tool              | 6          |
| <b>600V</b>    | 037103483706 | Carded | 4-way pocket tool              | 6          |

## Four-in-One Screwdriver



- Extra handy
- Two 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®)

| Catalog number | UPC No.      | Packed | Screwdriver length description   | Shelf pack |
|----------------|--------------|--------|----------------------------------|------------|
| <b>FSD1</b>    | 037103487537 | Boxed  | Four-in-One screwdriver complete | 6          |
| <b>FSD1V</b>   | 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



| Catalog number | UPC No.      | Packed | Screwdriver length description  | Shelf pack |
|----------------|--------------|--------|---------------------------------|------------|
| <b>TSD1V</b>   | 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

## 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

| Catalog number | UPC No.      | Packaging | Handle Color | Fastener Size | Nut End Depth | Blade Length | Overall Length | Product Weight |
|----------------|--------------|-----------|--------------|---------------|---------------|--------------|----------------|----------------|
| 6              | 037103481054 | Boxed     | Black        | 3/16 in       | 1-1/8 in      | 3 in         | 6-1/8 in       | 0.07 lb        |
| 8              | 037103481108 | Boxed     | Red          | 1/4 in        | 1-1/8 in      | 3 in         | 6-1/8 in       | 0.07 lb        |
| 10             | 037103481177 | Boxed     | Amber        | 5/16 in       | 1-1/8 in      | 3 in         | 6-1/8 in       | 0.07 lb        |
| 10V            | 037103481214 | Carded    | Amber        | 5/16 in       | 1-1/8 in      | 3 in         | 6-1/8 in       | 0.20 lb        |
| 11             | 037103481221 | Boxed     | Green        | 11/32 in      | 1-1/8 in      | 3 in         | 6-1/8 in       | 0.07 lb        |
| 12             | 037103481252 | Boxed     | Blue         | 3/8 in        | 1-1/8 in      | 3 in         | 6-1/8 in       | 0.07 lb        |
| 14             | 037103481290 | Boxed     | Brown        | 7/16 in       | 1-7/8 in      | 2-7/8 in     | 7 in           | 0.11 lb        |

## Regular Nutdrivers - Full Hollow Shaft - Inch Sizes



Color Coded Handles

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

| Catalog Number | UPC Number   | Packed | Color code | Blade diameter (inch) | Depth of hole (mm) | Blade length (inch) | Blade length (mm) | Screwdriver length (incg) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|--------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>HS6</b>     | 037103484031 | Boxed  | Black      | 3/16                  | 6"                 | 3 1/8               | 79                | 6 1/4                     | 159                     | 6          |
| <b>HS7</b>     | 037103484055 | Boxed  | Brown      | 7/32                  | 6"                 | 3 1/8               | 79                | 6 1/4                     | 159                     | 6          |
| <b>HS8</b>     | 037103484062 | Boxed  | Red        | 1/4                   | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS8V</b>    | 037103484079 | Carded | Red        | 1/4                   | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS9</b>     | 037103484086 | Boxed  | Orange     | 9/32                  | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS9V</b>    | 037103488657 | Carded | Orange     | 9/32                  | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS10</b>    | 037103484093 | Boxed  | Amber      | 5/16                  | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS10V</b>   | 037103484109 | Carded | Amber      | 5/16                  | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS11</b>    | 037103484116 | Boxed  | Green      | 11/32                 | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS11V</b>   | 037103484123 | Carded | Green      | 11/32                 | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS12</b>    | 037103484130 | Boxed  | Blue       | 3/8                   | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS12V</b>   | 037103484147 | Carded | Blue       | 3/8                   | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS14</b>    | 037103484154 | Boxed  | Brown      | 7/16                  | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS14V</b>   | 037103484161 | Carded | Brown      | 7/16                  | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS16</b>    | 037103484178 | Boxed  | Red        | 1/2                   | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS16V</b>   | 037103484185 | Carded | Red        | 1/2                   | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS18</b>    | 037103484192 | Boxed  | Orange     | 9/16                  | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |
| <b>HS18V</b>   | 037103484208 | Carded | Orange     | 9/16                  | 7"                 | 3 1/8               | 79                | 7 1/4                     | 184                     | 6          |

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



Color Coded Handles

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

| Catalog Number | UPC Number   | Packed | Color code | Blade diameter (inch) | Depth of hole (mm) | Blade length (inch) | Blade length (mm) | Screwdriver length (incg) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|--------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>L8</b>      | 037103483720 | Boxed  | Red        | 1/4                   | 9 3/4"             | 6                   | 152               | 10 1/8                    | 257                     | 6          |
| <b>L10</b>     | 037103483768 | Boxed  | Amber      | 5/16                  | 9 3/4"             | 6                   | 152               | 10 1/8                    | 257                     | 6          |
| <b>L11</b>     | 037103483805 | Boxed  | Green      | 11/32                 | 9 3/4"             | 6                   | 152               | 10 1/8                    | 257                     | 6          |
| <b>L12</b>     | 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

| Catalog Number | UPC Number   | Packed | Color code | Blade diameter (inch) | Depth of hole (mm) | Blade length (inch) | Blade length (mm) | Screwdriver length (incg) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|--------------------|---------------------|-------------------|---------------------------|-------------------------|------------|
| <b>8M</b>      | 037103481115 | Boxed  | Red        | 1/4                   | -                  | 3                   | 76                | 6 1/8                     | 156                     | 6          |
| <b>10M</b>     | 037103481184 | Boxed  | Amber      | 5/16                  | -                  | 3                   | 76                | 6 1/8                     | 156                     | 6          |
| <b>L8M</b>     | 037103483737 | Boxed  | Red        | 1/4                   | -                  | 6                   | 152               | 10 1/8                    | 257                     | 6          |
| <b>L8MV</b>    | 037103483744 | Carded | Red        | 1/4                   | -                  | 6                   | 152               | 10 1/8                    | 257                     | 6          |
| <b>L10M</b>    | 037103483775 | Boxed  | Amber      | 5/16                  | -                  | 6                   | 152               | 10 1/8                    | 257                     | 6          |
| <b>L10MV</b>   | 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

| Catalog Number | UPC Number   | 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 |
|----------------|--------------|--------|---------------------|--------------------|-------------------|------------------|------------------------------------------|---------------|------------|
| <b>4MM</b>     | 037103481009 | Boxed  | 4                   | 29                 | 76                | 156              | -                                        | 2             | 6          |
| <b>5MM</b>     | 037103481030 | Boxed  | 5                   | 29                 | 76                | 156              | 2.6                                      | 2.6           | 6          |
| <b>55MM</b>    | 037103481047 | Boxed  | 5.5                 | 29                 | 76                | 156              | 3                                        | 3             | 6          |
| <b>7MM</b>     | 037103481092 | Boxed  | 7                   | 29                 | 76                | 156              | 4                                        | 4             | 6          |
| <b>8MM</b>     | 037103481122 | Boxed  | 8                   | 29                 | 76                | 156              | 5                                        | 5             | 6          |
| <b>10MM</b>    | 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

| Catalog Number | UPC Number   | Packed | Color code | Blade diameter (inch) | Depth of hole (mm) | Blade length (inch) | Blade length (mm) | Nutdriver length (incg) | Nutdriver length (mm) | Shelf pack |
|----------------|--------------|--------|------------|-----------------------|--------------------|---------------------|-------------------|-------------------------|-----------------------|------------|
| <b>13MM</b>    | 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

| Catalog number | UPC No.      | Description                                                            | Shelf pack |
|----------------|--------------|------------------------------------------------------------------------|------------|
| <b>127TB</b>   | 037103483621 | Contains solid shaft No's. 6, 7, 8, 9, 10, 11 and 12                   | 1          |
| <b>147TB</b>   | 037103483638 | Contains hollow shaft No's. HS8, HS9, HS10, HS11, HS12, HS14, and HS16 | 1          |

## Nutdriver Set



- Contains assortment of nutdrivers listed in chart
- Plastic pouch

| Catalog number | UPC No.      | Description                                                                         | Shelf pack |
|----------------|--------------|-------------------------------------------------------------------------------------|------------|
| <b>157</b>     | 037103483652 | Contains 7 pieces, all regular drilled shaft No's. 6, 8, 10, 11, 12, 14 and 16      | 1          |
| <b>177</b>     | 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

| Catalog number | UPC No.      | Description                                                                                                       | Shelf pack |
|----------------|--------------|-------------------------------------------------------------------------------------------------------------------|------------|
| <b>HS618</b>   | 037103484215 | Inch sizes - Contains hollow shaft No's. HS6, HS7, HS8, HS9, HS10, HS11, HS12, HS14, HS16, and HS18               | 1          |
| <b>413MM</b>   | 037103481023 | Metric sizes - 10 piece set of nutdrivers: 4MM through 8MM, 10MM, 11MM, 13MM<br>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 ncreased 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

| Catalog Number | UPC Number   | Packed | Handle color        | Blade length (inch)     | Depth length (mm) | Screwdriver length (inch) | Screwdriver length (mm) | Shelf pack |
|----------------|--------------|--------|---------------------|-------------------------|-------------------|---------------------------|-------------------------|------------|
| <b>PS88</b>    | 037103485236 | Boxed  | Complete set        | -                       | -                 | 3                         | -                       | -          |
| <b>PS88V</b>   | 037103485243 | Carded | Complete set carded | -                       | -                 | 3                         | -                       | -          |
| <b>P3321</b>   | 037103485052 | -      | Green               | 3/32                    | -                 | 3 1/2                     | 89                      | 12         |
| <b>P1</b>      | 037103484727 | -      | Brown               | 1 Phillips              | -                 | 3 1/2                     | 89                      | 12         |
| <b>TA2</b>     | 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

| Catalog Number | UPC Number   | 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                     | 6          |

## 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

| Catalog number | UPC No.      | Diameter packed | Nutdriver length (mm)   | Shelf (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

| Catalog Number      | UPC Number   | Packed | Handle color        | Blade diameter (inch)   | Diameter (inch) | Shelf pack |
|---------------------|--------------|--------|---------------------|-------------------------|-----------------|------------|
| <b>PS130</b>        | 037103485311 | Boxed  | Complete set        | -                       | -               | 3          |
| <b>PS130V</b>       | 037103485328 | Carded | Complete set carded | -                       | -               | 3          |
| <b>Screwdrivers</b> | -            | -      | -                   | 1/8                     | -               | -          |
| <b>P1</b>           | 037103484727 | -      | Brown               | 1 Phillips®             | -               | 12         |
| <b>Nutdrivers</b>   | -            | -      | -                   | 3/16                    | -               | -          |
| <b>P6</b>           | 037103484772 | -      | Black               | -                       | 3/16            | 12         |
| <b>P8</b>           | 037103484796 | -      | Red                 | -                       | 1/4             | 12         |
| <b>P10</b>          | 037103484826 | -      | Amber               | -                       | 5/16            | 12         |
| <b>TA2</b>          | 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

| Catalog Number | UPC Number   | Diameter-packed | Tool length (inch)      | Shelf (inch) | Shelf (mm) | Shelf pack |
|----------------|--------------|-----------------|-------------------------|--------------|------------|------------|
| <b>PS89</b>    | 037103485250 | Boxed           | Complete set            | -            | -          | 3          |
| <b>PS89V</b>   | 037103485267 | Carded          | Complete set carded     | -            | -          | 3          |
| <b>P19</b>     | 037103484888 | -               | .035                    | 3 1/2        | 89         | 12         |
| <b>P20</b>     | 037103484895 | -               | .050                    | 3 1/2        | 89         | 12         |
| <b>P22</b>     | 037103484918 | -               | 5/64                    | 3 1/2        | 89         | 12         |
| <b>P23</b>     | 037103484925 | -               | 3/32                    | 3 1/2        | 89         | 12         |
| <b>TA2</b>     | 037103486240 | -               | Torque amplifier handle | -            | -          | 3          |

## PS90MM Compact Convertible Hex Socket Screwdriver Set

### Metric 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

| Catalog number | UPC No.      | Diameter packed | Tool length (mm)        | Shelf (mm) | Shelf pack |
|----------------|--------------|-----------------|-------------------------|------------|------------|
| <b>PS90MM</b>  | 037103485274 | Boxed           | Complete set            | 3          | -          |
| <b>TA2</b>     | 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

| Catalog number | UPC No.      | Packed | Handle color | Blade diameter inch/mm | Blade length inch/mm | Tool length inch/mm | Shelf pack |
|----------------|--------------|--------|--------------|------------------------|----------------------|---------------------|------------|
| <b>M60</b>     | 037103484680 | Boxed  | -            | Complete set           | -                    | -                   | 6          |
| <b>M60V</b>    | 037103484697 | Carded | -            | Complete set carded    | -                    | -                   | 6          |

## Series 99® Blades, Shanks, and Handles

Series 99® interchangeable blades, shanks and handles 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

| Catalog Number | UPC Number   | Packed | Description             | Color | Handle dimensions (inchxinch) | Handle dimensions (mmxmm) | Shelf pack |
|----------------|--------------|--------|-------------------------|-------|-------------------------------|---------------------------|------------|
| <b>991</b>     | 037103482532 | Boxed  | Regular                 | Amber | 13/16 x 4                     | 30 x 102                  | 6          |
| <b>991V</b>    | 037103482549 | Carded | Regular                 | Amber | 13/16 x 4                     | 30 x 102                  | 6          |
| <b>992</b>     | 037103482570 | Boxed  | Junior                  | Amber | 11/16 x 3 1/8                 | 27 x 79                   | 6          |
| <b>993</b>     | 037103482594 | Boxed  | Stubby                  | Amber | 13/16 x 2                     | 30 x 51                   | 6          |
| <b>994</b>     | 037103482600 | Boxed  | Tee                     | Black | 3 1/2 x 1 5/8                 | 89 x 41                   | 6          |
| <b>994V</b>    | 037103482655 | Carded | Tee                     | Black | 3 1/2 x 1 5/8                 | 89 x 41                   | 6          |
| <b>TA2</b>     | 037103486240 | -      | Torque amplifier handle | -     | -                             | -                         | 3          |
| <b>995ESD</b>  | 037103236333 | Boxed  | ESD Safe                | Gray  | 1 1/2 x 4                     | 38x102                    | -          |

### Reversible Ratcheting Handles



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

| Catalog Number | UPC Number   | Packed | Description | Color | (inchxinch)   | (mmxmm)  | Shelf pack |
|----------------|--------------|--------|-------------|-------|---------------|----------|------------|
| <b>991R</b>    | 037103482556 | Boxed  | Regular     | Black | 1 x 7         | 25 x 178 | 6          |
| <b>994R</b>    | 037103482631 | Boxed  | Tee         | Black | 3 1/2 x 2 1/2 | 89 x 64  | 6          |

## Nutdrivers - Inch Sizes



| Catalog Number | UPC Number   | Packed | Diameter (inch) | Approximate working length (inch) | Approximate working length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------|-----------------------------------|---------------------------------|------------|
| 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



| Catalog Number | UPC Number   | Packed | Diameter (inch) | Approximate working length (inch) | Approximate working length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------|-----------------------------------|---------------------------------|------------|
| 998M           | 037103482754 | Boxed  | 1/4             | 3 5/8                             | 92                              | 6          |
| 9910M          | 037103482945 | Boxed  | 5/16            | 3 5/8                             | 92                              | 6          |

## Nutdrivers - Metric Sizes



| Catalog Number | UPC Number   | Packed | Diameter (inch) | Approximate working length (inch) | Approximate working length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------|-----------------------------------|---------------------------------|------------|
| 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

| Catalog Number | UPC Number   | 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

| Catalog Number | UPC Number   | Packed | Diameter (inch) | 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

| Catalog Number | UPC Number   | Packed | Diameter (inch) | 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

| Catalog Number | UPC Number   | 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

| Catalog Number | UPC Number   | Packed | Diameter (inch) | 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

| Catalog Number | UPC Number   | 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

| Catalog Number | UPC Number   | Packed | Description | Diameter (inch) | Diameter (mm) | Approximate working length (inch) | Approximate working length (mm) | Shelf pack |
|----------------|--------------|--------|-------------|-----------------|---------------|-----------------------------------|---------------------------------|------------|
| 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

| Catalog Number | UPC Number   | Packed | Description | Diameter (inch) | Diameter (mm) | Approximate working length (inch) | Approximate working length (mm) | Shelf pack |
|----------------|--------------|--------|-------------|-----------------|---------------|-----------------------------------|---------------------------------|------------|
| 996XTD         | 037103490575 | Boxed  | T-6         | 4               | 102           | 6                                 | 102                             | 6          |
| 998XTD         | 037103490582 | Boxed  | T-8         | 4               | 102           | 6                                 | 102                             | 6          |
| 9910XTD        | 037103490025 | Boxed  | T-10        | 4               | 102           | 6                                 | 102                             | 6          |
| 9915XTD        | 037103490032 | Boxed  | T-15        | 4               | 102           | 6                                 | 102                             | 6          |
| 9920XTD        | 037103490049 | Boxed  | T-20        | 4               | 102           | 6                                 | 102                             | 6          |
| 9925XTD        | 037103490056 | Boxed  | T-25        | 4               | 102           | 6                                 | 102                             | 6          |
| 9927XTD        | 037103490063 | Boxed  | T-27        | 4               | 102           | 6                                 | 102                             | 6          |
| 9930XTD        | 037103490070 | Boxed  | T-30        | 4               | 102           | 6                                 |                                 |            |

## Reamer



| Catalog Number | UPC Number   | Packed | Diameter (inchxinch) | Diameter (mmxmm) | Diameter (mm) | Approximate working length (inch) | Approximate working length (mm) | Shelf pack |
|----------------|--------------|--------|----------------------|------------------|---------------|-----------------------------------|---------------------------------|------------|
| 9938           | 037103483126 | Boxed  | 1/8 x 3/8            | 3.17 x 9.52      | 4             | 102                               | 6                               | 6          |

## Extensions



**99X5**

| Catalog Number | UPC Number   | Packed | Description | Approximate working length (inch) | Approximate working length (mm) | Tool length (inch) | Tool length (mm) | Shelf pack |
|----------------|--------------|--------|-------------|-----------------------------------|---------------------------------|--------------------|------------------|------------|
| <b>99X5</b>    | 037103482501 | Boxed  | Extension   | 4                                 | 102                             | 4                  | 102              | 6          |
| <b>99X10</b>   | 037103482525 | Boxed  | Extension   | 7                                 | 178                             | 7                  | 178              | 6          |
| <b>99X10V</b>  | 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

| Catalog Number | UPC Number   | Packed | Description       | Pack |
|----------------|--------------|--------|-------------------|------|
| <b>99PA</b>    | 037103490926 | Boxed  | Power bit adapter | 6    |
| <b>99PAV</b>   | 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

| Catalog Number            | UPC Number   | Packed | (inch) | (mm) | Description                                 | Shelf pack |
|---------------------------|--------------|--------|--------|------|---------------------------------------------|------------|
| <b>99SM</b>               | 037103482471 | Boxed  | -      | -    | Complete roll kit                           | 1          |
| <b>99SMK</b>              | 037103482488 | Boxed  | -      | -    | Canvas case                                 | 1          |
| <b>99SMX</b>              | 037103490254 | Boxed  | -      | -    | Complete tool kit w/carrying case           | 1          |
| <b>52NCGV</b>             | 037103212931 | -      | 6      | 152  | Long nose cushion grip plier                | 6          |
| <b>55NCG</b>              | 037103213297 | -      | 5      | 127  | Diagonal cushion grip plier                 | 6          |
| <b>46CGV</b>              | 037103481467 | -      | 6      | 152  | Thin-pattern cushion grip adjustable wrench | 6          |
| <b>991</b>                | 037103482532 | -      | -      | -    | Regular handle                              | 6          |
| <b>993</b>                | 037103482594 | -      | -      | -    | Stubby handle                               | 6          |
| <b>996 to 9916</b>        | -            | -      | -      | -    | Regular nutdrivers (9)                      | -          |
| <b>99S8, 99S10, 99S12</b> | -            | -      | -      | -    | Stubby nutdrivers                           | -          |
| <b>99821, 99822</b>       | -            | -      | -      | -    | Phillips® screwdrivers                      | 4          |
| <b>99811, 99250</b>       | -            | -      | -      | -    | Slotted screwdrivers                        | -          |
| <b>9938</b>               | 037103483126 | -      | -      | -    | Reamer                                      | 6          |
| <b>99X10</b>              | 037103482525 | -      | -      | -    | Extension                                   | 6          |

## 99PR Roll Kit



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

| Catalog Number      | UPC Number   | Packed | (inch) | (mm) | Description            | Shelf pack |
|---------------------|--------------|--------|--------|------|------------------------|------------|
| <b>99PR</b>         | 037103482266 | Boxed  | -      | -    | Complete roll kit      | 1          |
| <b>99K</b>          | 037103482228 | Boxed  | -      | -    | Canvas case            | 1          |
| <b>991</b>          | 037103482532 | -      | -      | -    | Regular handle         | 6          |
| <b>996 to 9916</b>  | -            | -      | -      | -    | Nutdrivers (9)         | -          |
| <b>99811, 99250</b> | -            | -      | -      | -    | Slotted screwdrivers   | -          |
| <b>99821, 99822</b> | -            | -      | -      | -    | Phillips® screwdrivers | -          |

## 99SPC Personal Computer Repair Kit



- Ideal for repairs on PC's
- Contains 12 anti-static chip tools, protects chips from ESD damage
- Tools fit securely in a convenient roll-up pouch

| Catalog Number | UPC Number   | Packed | (inch) | (mm) | Description                    | Shelf pack |
|----------------|--------------|--------|--------|------|--------------------------------|------------|
| <b>99SPC</b>   | 037103490940 | Boxed  | -      | -    | Complete kit                   | 1          |
| <b>99820</b>   | 037103483461 | -      | -      | -    | #0 Phillips® screwdriver blade | 6          |
| <b>99821</b>   | 037103483485 | -      | -      | -    | #1 Phillips® screwdriver blade | 6          |
| <b>99811</b>   | 037103483447 | -      | 3/16   | 5    | Slotted screwdriver blade      | 6          |
| <b>9910XTD</b> | 037103490025 | -      | -      | -    | Torx® screwdriver blade        | 6          |
| <b>9915XTD</b> | 037103490032 | -      | -      | -    | Torx® screwdriver blade        | 6          |
| <b>996</b>     | 037103482693 | -      | 3/16   | 5    | Hex nutdriver shank            | 6          |
| <b>998</b>     | 037103482747 | -      | 1/4    | 6    | Hex nutdriver shank            | 6          |
| <b>991</b>     | 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

| Catalog Number             | UPC Number   | Packed | (inch) | (mm) | Description                              | Shelf pack |
|----------------------------|--------------|--------|--------|------|------------------------------------------|------------|
| <b>99MP</b>                | 037103482235 | Boxed  | -      | -    | Complete kit                             | 1          |
| <b>99MPK</b>               | 037103482242 | Boxed  | -      | -    | Canvas case                              | 1          |
| <b>991</b>                 | 037103482532 | -      | -      | -    | Regular handle                           | 6          |
| <b>994</b>                 | 037103482600 | -      | -      | -    | Tee handle                               | 6          |
| <b>998M</b>                | 037103482754 | -      | -      | -    | Magnetic nutdriver                       | 6          |
| <b>996, to 9916</b>        | -            | -      | -      | -    | Regular nutdrivers (9)                   | -          |
| <b>9920, to 9926</b>       | -            | -      | -      | -    | Allen® hex screwdrivers (9)              | -          |
| <b>99764, 99964</b>        | -            | -      | -      | -    |                                          |            |
| <b>9961, to 9969</b>       | -            | -      | -      | -    | Bristol multiple spline screwdrivers (9) | -          |
| <b>99125, 99811</b>        | -            | -      | -      | -    | Slotted screwdrivers                     | -          |
| <b>99250, 99312</b>        | -            | -      | -      | -    |                                          |            |
| <b>99820, 99821, 99822</b> | -            | -      | -      | -    | Phillips® screwdrivers                   | -          |
| <b>9938</b>                | 037103483126 | -      | -      | -    | Reamer                                   | 6          |
| <b>99X5</b>                | 037103482501 | -      | -      | -    | Extension                                | 6          |

## 99PA50 Tool Kit



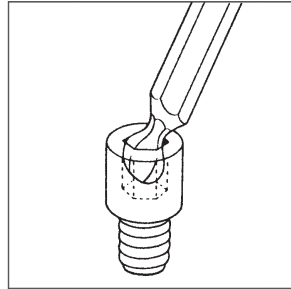
- Series 99® screwdriver and nutdriver set designed for use with cordless rechargeable screwdrivers
- Contains 12 most popular nutdriver and screwdriver sizes together with a power adapter (Model only: Xcelite® Catalog No. 99PA)
- Convenient vinyl carrying pouch

| Catalog Number | UPC Number   | Packed | (inch)                       | (mm) | Pack |
|----------------|--------------|--------|------------------------------|------|------|
| <b>99PA50</b>  | 037103497299 | Boxed  | Complete set                 | 3/16 | 6    |
| <b>△ 99S8</b>  | 037103482396 | -      | Stubby nutdriver             | 1/4  | 6    |
| <b>△ 99S10</b> | 037103482402 | -      | Stubby nutdriver             | 5/16 | 6    |
| <b>△ 99S12</b> | 037103482419 | -      | Stubby nutdriver             | 3/8  | 6    |
| <b>99PA</b>    | 037103490926 | -      | Cordless screwdriver adapter | -    | 6    |

△ = 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
- Will engage screw head from any angle
- 9 blades 4”/101.60mm long, 99X5 extension and regular 991 handle in plastic see-through stand-up case
- Ends precision-machined to close tolerances to help slip easily into sockets and hold securely without reaming

| Catalog Number   | UPC Number   | Packed | Tip size (inch)     | Tool length (inch) | Tool length (mm) | Shelf pack |
|------------------|--------------|--------|---------------------|--------------------|------------------|------------|
| <b>99PS40BP</b>  | 037103482297 | Boxed  | Complete set        | -                  | -                | 3          |
| <b>99PS40BPV</b> | 037103482303 | Carded | Complete set carded | -                  | -                | 3          |
| <b>9920BP</b>    | 037103482976 | -      | .050                | 4                  | 102              | 6          |
| <b>9921BP</b>    | 037103482990 | -      | 1/16                | 4                  | 102              | 6          |
| <b>9922BP</b>    | 037103483010 | -      | 5/64                | 4                  | 102              | 6          |
| <b>9923BP</b>    | 037103483034 | -      | 3/32                | 4                  | 102              | 6          |
| <b>99764BP</b>   | 037103483430 | -      | 7/64                | 4                  | 102              | 6          |
| <b>9924BP</b>    | 037103483058 | -      | 1/8                 | 4                  | 102              | 6          |
| <b>99964BP</b>   | 037103483553 | -      | 9/64                | 4                  | 102              | 6          |
| <b>9925BP</b>    | 037103483072 | -      | 5/32                | 4                  | 102              | 0          |
| <b>9926BP</b>    | 037103483096 | -      | 3/16                | 4                  | 102              | 6          |
| <b>991</b>       | 037103482532 | -      | Regular handle      | 4                  | 102              | 6          |
| <b>99X5</b>      | 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

| Catalog Number    | UPC Number   | Packed | Tip size (inch) | Tool length (inch) | Tool length (mm) | Shelf pack |
|-------------------|--------------|--------|-----------------|--------------------|------------------|------------|
| <b>99PS41MMBP</b> | 037103482327 | Boxed  | Complete set    | -                  | -                | 3          |
| <b>991</b>        | 037103482532 | -      | Regular handle  | 4                  | 102              | 6          |
| <b>99X5</b>       | 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



| Catalog Number | UPC Number   | Packed | Tip size (inch) | Tool length (inch) | Tool length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------|--------------------|------------------|------------|
| <b>99XTD7</b>  | 037103490018 | Boxed  | Complete set    | -                  | -                | 6          |
| <b>9910XTD</b> | 037103490025 | -      | T-10            | 4                  | 102              | 6          |
| <b>9915XTD</b> | 037103490032 | -      | T-15            | 4                  | 102              | 6          |
| <b>9920XTD</b> | 037103490049 | -      | T-20            | 4                  | 102              | 6          |
| <b>9925XTD</b> | 037103490056 | -      | T-25            | 4                  | 102              | 6          |
| <b>9927XTD</b> | 037103490063 | -      | T-27            | 4                  | 102              | 6          |
| <b>9930XTD</b> | 037103490070 | -      | T-30            | 4                  | 102              | 6          |
| <b>991</b>     | 037103482532 | -      | Regular handle  | -                  | -                | 6          |

## 99PS40 Allen® Hex Socket Type Screwdriver Set

### Inch Sizes



- 11-piece set
- See-through plastic case

| Catalog Number | UPC Number   | Packed | Tip size (inch)     | Tool length (inch) | Tool length (mm) | Shelf pack |
|----------------|--------------|--------|---------------------|--------------------|------------------|------------|
| <b>99PS40</b>  | 037103482273 | Boxed  | Complete set        | -                  | -                | 3          |
| <b>99PS40V</b> | 037103482280 | Carded | Complete set carded | -                  | -                | 3          |
| <b>991</b>     | 037103482532 | -      | Regular handle      | -                  | -                | 6          |
| <b>9920</b>    | 037103482969 | -      | .050                | 4                  | 102              | 6          |
| <b>9921</b>    | 037103482983 | -      | 1/16                | 4                  | 102              | 6          |
| <b>9922</b>    | 037103483003 | -      | 5/64                | 4                  | 102              | 6          |
| <b>9923</b>    | 037103483027 | -      | 3/32                | 4                  | 102              | 6          |
| <b>99764</b>   | 037103483102 | -      | 7/64                | 4                  | 102              | 6          |
| <b>9924</b>    | 037103483041 | -      | 1/8                 | 4                  | 102              | 6          |
| <b>99964</b>   | 037103483119 | -      | 9/64                | 4                  | 102              | 6          |
| <b>9925</b>    | 037103483065 | -      | 5/32                | 4                  | 102              | 6          |
| <b>9926</b>    | 037103483089 | -      | 3/16                | 4                  | 102              | 6          |
| <b>99X5</b>    | 037103482501 | -      | Extension           | 4                  | 102              | 6          |

## 99PS41MM Allen® Hex Socket Type Screwdriver Set

### Metric Sizes



- 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

|  | Catalog Number  | UPC Number   | Packed | Tip size (inch) | Tool length (inch) | Tool length (mm) | Shelf pack |   |
|-------------------------------------------------------------------------------------|-----------------|--------------|--------|-----------------|--------------------|------------------|------------|---|
|                                                                                     | <b>99PS41MM</b> | 037103482310 | Boxed  | Complete set    | -                  | -                | -          | 3 |
|                                                                                     | <b>9971MM</b>   | 037103483232 | -      | 1.27            | 2.6                | 1.4              | -          | 6 |
|                                                                                     | <b>9972MM</b>   | 037103483249 | -      | 1.5             | 3                  | 1.7, 2           | -          | 6 |
|                                                                                     | <b>9973MM</b>   | 037103483256 | -      | 2               | 4                  | 2.3, 2.6         | 3          | 6 |
|                                                                                     | <b>9974MM</b>   | 037103483263 | -      | 2.5             | 5                  | 3                | 4          | 6 |
|                                                                                     | <b>9975MM</b>   | 037103483270 | -      | 3               | 6                  | 4                | 5          | 6 |
|                                                                                     | <b>9976MM</b>   | 037103483287 | -      | 4               | 8                  | 5                | 6          | 6 |
|                                                                                     | <b>9977MM</b>   | 037103483294 | -      | 5               | 10                 | 6                | 8          | 6 |
|                                                                                     | <b>991</b>      | 037103482532 | -      | -               | Regular handle     | -                | -          | 6 |
|                                                                                     | <b>99X5</b>     | 037103482501 | -      | -               | Extension          | -                | -          | 6 |

## 99PS50 Screwdriver and Nutdriver Set

### Inch Sizes



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

| Catalog Number | UPC Number   | Packed | Description           | Blade diameter (inch) | Tool length (inch) | Tool length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------------|-----------------------|--------------------|------------------|------------|
| <b>99PS50</b>  | 037103482334 | Boxed  | Complete set          | -                     | -                  | 3                |            |
| <b>99PS50V</b> | 037103482341 | Carded | Complete set carded   | -                     | -                  | 3                |            |
| <b>996</b>     | 037103482693 | -      | Regular nutdriver     | 3/16                  | 3 5/8              | 92               | 6          |
| <b>997</b>     | 037103482716 | -      | Regular nutdriver     | 7/32                  | 3 5/8              | 92               | 6          |
| <b>998</b>     | 037103482747 | -      | Regular nutdriver     | 1/4                   | 3 5/8              | 92               | 6          |
| <b>999</b>     | 037103482792 | -      | Regular nutdriver     | 9/32                  | 3 5/8              | 92               | 6          |
| <b>9910</b>    | 037103482822 | -      | Regular nutdriver     | 5/16                  | 3 5/8              | 92               | 6          |
| <b>9911</b>    | 037103482853 | -      | Regular nutdriver     | 11/32                 | 3 5/8              | 92               | 6          |
| <b>9912</b>    | 037103482884 | -      | Regular nutdriver     | 3/8                   | 3 5/8              | 92               | 6          |
| <b>99811</b>   | 037103483447 | -      | Slotted screwdriver   | 3/16                  | 3 7/8              | 98               | 6          |
| <b>99250</b>   | 037103483393 | -      | Slotted screwdriver   | 1/4                   | 3 7/8              | 98               | 6          |
| <b>99821</b>   | 037103483485 | -      | Phillips® screwdriver | No. 1                 | 4                  | 102              | 6          |
| <b>99822</b>   | 037103483508 | -      | Phillips® screwdriver | No. 2                 | 4                  | 102              | 6          |
| <b>99X5</b>    | 037103482501 | -      | Extension             | -                     | 4                  | 102              | 6          |
| <b>991</b>     | 037103482532 | -      | Regular handle        | -                     | 4                  | 102              | 6          |

## 99PS51MM Compact, Interchangeable Shank, Nutdriver Set

### Metric Sizes



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

| Catalog Number  | UPC Number   | Packed | Approximate working diameter (mm) | Hex head cap screws thread length (mm) | Hex nuts thread diameter (mm) | Diameter (mm) | Shelf pack |
|-----------------|--------------|--------|-----------------------------------|----------------------------------------|-------------------------------|---------------|------------|
| <b>99PS51MM</b> | 037103482358 | Boxed  | Complete set                      | -                                      | -                             | -             | 3          |
| <b>994MM</b>    | 037103482617 | -      | 4                                 | 92                                     | -                             | 2             | 6          |
| <b>9945MM</b>   | 037103482624 | -      | 4.5                               | 92                                     | -                             | 2.3           | 6          |
| <b>995MM</b>    | 037103482662 | -      | 5                                 | 92                                     | 2.6                           | 2.6           | 6          |
| <b>9955MM</b>   | 037103482679 | -      | 5.5                               | 92                                     | 3                             | 3             | 6          |
| <b>996MM</b>    | 037103482686 | -      | 6                                 | 92                                     | 3.5                           | 3.5           | 6          |
| <b>997MM</b>    | 037103482723 | -      | 7                                 | 92                                     | 4                             | 4             | 6          |
| <b>998MM</b>    | 037103482761 | -      | 8                                 | 92                                     | 5                             | 5             | 6          |
| <b>999MM</b>    | 037103482808 | -      | 9                                 | 92                                     | -                             | -             | 6          |
| <b>9910MM</b>   | 037103482839 | -      | 10                                | 102                                    | 6                             | 6             | 6          |
| <b>9911MM</b>   | 037103482860 | -      | 11                                | 102                                    | 7                             | 7             | 6          |
| <b>991</b>      | 037103482532 | -      | Regular handle                    | 102                                    | -                             | -             | 6          |
| <b>99X5</b>     | 037103482501 | -      | Extension                         | 102                                    | -                             | -             | 6          |

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

### Inch Sizes



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

| Catalog Number | UPC Number   | Packed | Tip size (inch) | Tool length (inch) | Tool length (mm) | Shelf pack |
|----------------|--------------|--------|-----------------|--------------------|------------------|------------|
| <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          |
| <b>△ 9967</b>  | 037103483201 | -      | .111            | 4                  | 102              | 6          |
| <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          |

△ = 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



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

| 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         | •          |                 |               |                                         | •                              | •                              | •                                     |                                        |                                        |
| MS54JV         |            | •               |               |                                         |                                |                                | •                                     |                                        | •                                      |
| MS5433V        | •          |                 |               |                                         | •                              | •                              | •                                     |                                        |                                        |
| MS545          |            |                 | •             |                                         |                                | •                              |                                       | •                                      |                                        |
| MS545J         | •          |                 |               |                                         | •                              | •                              | •                                     |                                        |                                        |
| MS549J         | •          |                 |               |                                         | •                              | •                              | •                                     |                                        |                                        |
| S1415NJS       | •          |                 |               |                                         | •                              | •                              | •                                     |                                        |                                        |
| S424NJS        | •          |                 |               |                                         | •                              | •                              | •                                     |                                        |                                        |
| S54N           |            |                 |               | •                                       |                                |                                | •                                     |                                        | •                                      |
| S54NKS         |            | •               |               |                                         |                                | •                              |                                       | •                                      |                                        |
| S54NS          |            |                 | •             |                                         |                                | •                              |                                       |                                        | •                                      |
| S55N           |            |                 |               | •                                       |                                |                                | •                                     |                                        | •                                      |
| S55NKS         |            | •               |               |                                         |                                | •                              |                                       | •                                      |                                        |
| S55NS          |            |                 | •             |                                         |                                | •                              |                                       |                                        | •                                      |
| SN54           |            |                 | •             |                                         |                                |                                | •                                     |                                        | •                                      |
| SN55           |            |                 | •             |                                         |                                |                                | •                                     |                                        | •                                      |
| TC55           |            |                 | •             |                                         |                                |                                | •                                     |                                        | •                                      |

\* Maximum Tensile Strength

## 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 électriquement au-delà de la protection DES |
|  | <b>⚠ ADVERTENCIA</b>                                                       |
|  | El mango no es aislante más allá de la protección ESD                      |

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

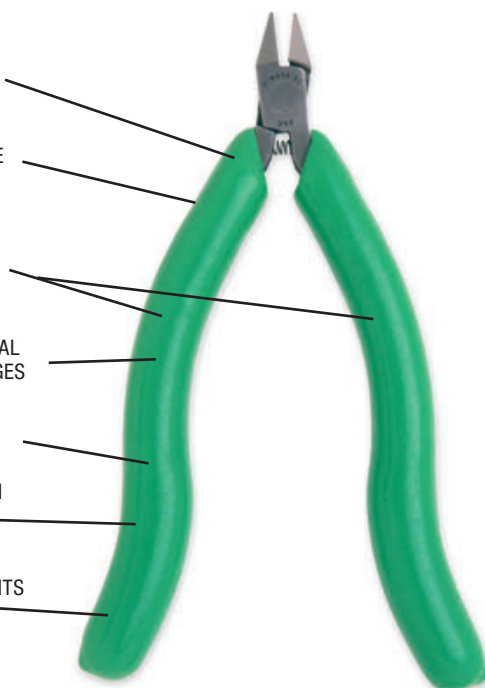
IDENTICALLY FORMED  
HANDLES ALLOW EITHER  
RIGHT OR LEFT-HAND USE

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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>MS54V</b>   | 043127085444 | Bagged | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>MS54J</b>   | 043127160448 | Bagged | 4             | 100         | 13/32    | 10     | 7/16     | 11     | 9/32     | 7      | 1/32     | .8     | 1.11             | 504             | 6          |

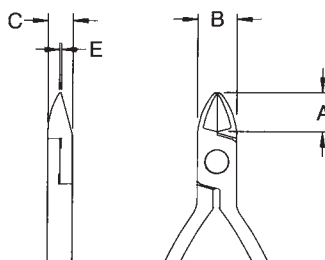
## Tapered Head Diagonal Cutter



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>MS549JV</b> | 043127085420 | Bagged | 4             | 100         | 15/32    | 12     | 7/16     | 11     | 9/32     | 7      | 3/64     | 1      | .96              | 435             | 6          |

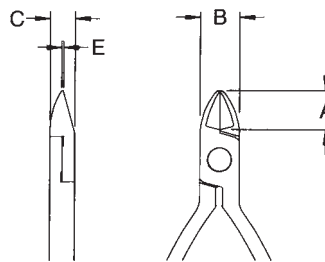
## Oval Head Diagonal Cutter



- Oval head diagonal cutter
- Semi-flush cutting
- General-purpose cutting of steel wires
- Accu-Lite handles (see page 43)

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>EMS54</b>   | 043127104374 | Bagged | 5 1/2         | 138         | 13/32    | 10     | 7/16     | 11     | 9/32     | 7      | 1/32     | .8     | .96              | 435             | 6          |

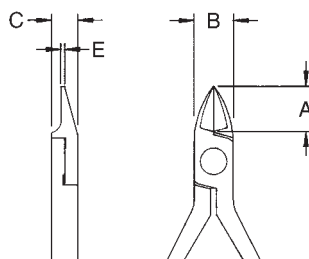
## Tapered Head Diagonal Cutter



- Tapered head diagonal cutter
- Flush cutting
- Accu-Lite handles (see page 43)

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>EMS549J</b> | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>MS543JV</b> | 037103129086 | Bagged | 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 43)

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>EMS543J</b> | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)   | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|----------|------------------|-----------------|------------|
| <b>MS545V</b>  | 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          |

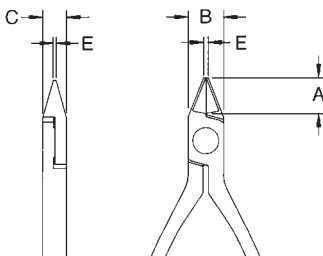
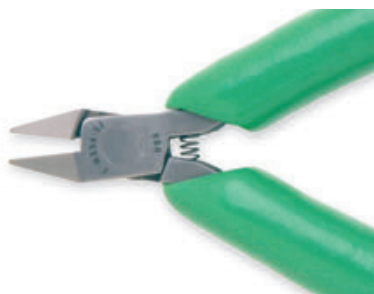
## Slim Line Tapered Head Cutter



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)            | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|---------------------|--------|------------------|-----------------|------------|
| <b>MS545JV</b> | 043127086038 | Carded | 4             | 100         | 13/32    | 10     | 7/16     | 11     | 9/32     | 7      | 1/16 x 1/321.5 x .9 | 1.01   | 458              | 6               | 6          |

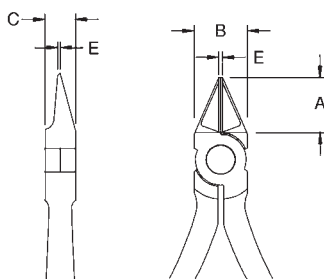
## Slim Line Tapered Diagonal Cutter



- Slim line tapered diagonal cutter
- Flush cutting
- Allows use between closely spaced components
- Accu-Lite handles (see page 43)

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| EMS545J        | 043127104336 | Bagged | 5 1/2         | 138         | 13/32    | 10     | 7/16     | 11     | 9/32     | 7      | 1/32     | .8     | .78              | 354             | 6          |

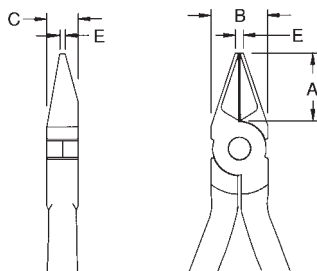
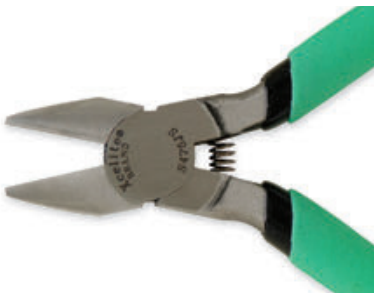
## Relieved Head Diagonal Cutter



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|--------|------------------|-----------------|------------|
| 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| 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          |

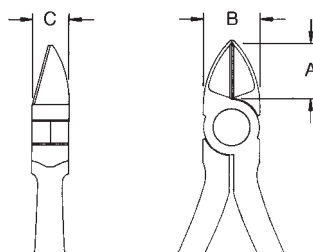
## Tapered Relieved Head Diagonal Cutter



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

| Catalog Number  | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|-----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|--------|------------------|-----------------|------------|
| <b>S1415NJS</b> | 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          |

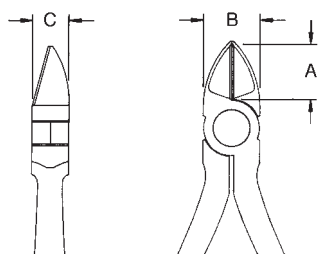
## Diagonal Lead Cutter



- Oval head
- Standard cutting
- Heavy-duty cutting
- Features green cushion grips
- S54S same as S54 plus handle coil spring

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>S54N</b>    | 037103213648 | Bagged | 4 1/2         | 112         | 5/8      | 16     | 37/64    | 15     | 3/8      | 9      | 1.32     | 599    | 6                | 667             | 6          |
| <b>S54NS</b>   | 037103213679 | Bagged | 4 1/2         | 112         | 5/8      | 16     | 37/64    | 15     | 3/8      | 9      | 1.32     | 599    | 6                | 667             | 6          |
| <b>S54NSV</b>  | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>S54NKS</b>  | 037103213662 | Bagged | 4 1/2         | 112         | 5/8      | 16     | 37/64    | 15     | 3/8      | 9      | 1.32     | 599    | 6                | 667             | 6          |

## Oval Head Diagonal Cutter



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>55N</b>     | 037103213242 | Bagged | 5             | 125         | 49/64    | 19     | 19/32    | 15     | 3/8      | 9      | 1.5      | 680    | 6                | 667             | 6          |
| <b>S55NS</b>   | 037103213280 | Bagged | 5             | 125         | 49/64    | 19     | 19/32    | 15     | 3/8      | 9      | 1.5      | 680    | 6                | 667             | 6          |

## Oval Head Diagonal Cutter



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>S55NKS</b>  | 037103213259 | Bagged | 5             | 125         | 49/64    | 19     | 19/32    | 15     | 3/8      | 9      | 1.5      | 680    | 6                | 667             | 6          |

## Xcelite® Diagonal End Cutter Pliers

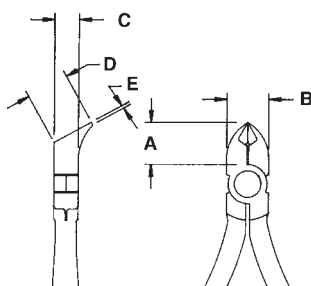
Angled Diagonal End Cutter at 29°



- 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>GA54JV</b>  | 043127085475 | Bagged | 4             | 100         | 7/16     | 11     | 7/16     | 11     | 9/32     | 7      | 7/16     | 11     | 1/32     | .8     | .96              | 454             | 6          |

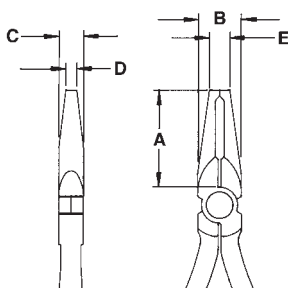
## Angled Head Cutter



- Angled cutter
- Flush cutting edges
- Head angle allows cutting from above
- Accu-Lite handles (see page 43)

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| 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          |

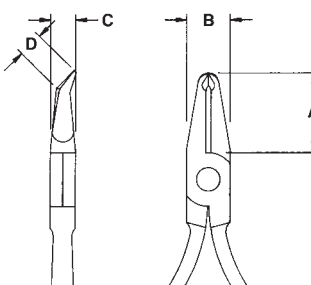
## Transverse End Cutter



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| EC54J          | 043127170096 | Bagged | 4 1/2         | 112         | 1        | 25     | 7/16     | 11     | 9/32     | 7      | 1/8      | 3      | 3/16     | 5      | .78              | 354             | 6          |

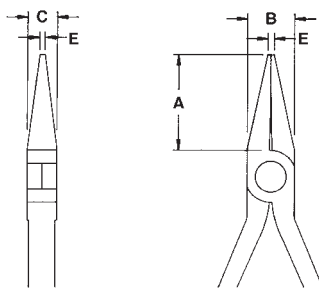
## 30° Angled Tip Cutter



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| LC665J         | 043127062742 | Bagged | 4 1/2         | 112         | 29/32    | 23     | 1/2      | 13     | 19/64    | 7      | 1/4      | 6      | .96      | 454    | .96              | 454             | 6          |

## Chain Nose Pliers - Short Chain Nose Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)    | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|-----------|------------------|-----------------|------------|
| <b>LN225</b>   | 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          |

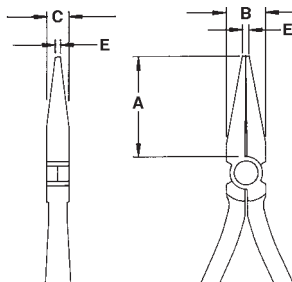
## 60° Curved-Tip Nose Pliers



- Curved nose pliers
- Thin tip
- Features green cushion grips
- CN255G features smooth jaws
- CN255V features fine serrated jaws

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>CN255V</b>  | 037103129147 | Bagged | 5             | 125         | 1 15/64  | 31     | 27/64    | 11     | 9/32     | 7      | 3/64     | 1      | .90              | 408             | 6          |
| <b>CN255G</b>  | 043127063091 | Bagged | 5             | 125         | 1 15/64  | 31     | 27/64    | 11     | 9/32     | 7      | 3/64     | 1      | .90              | 408             | 6          |

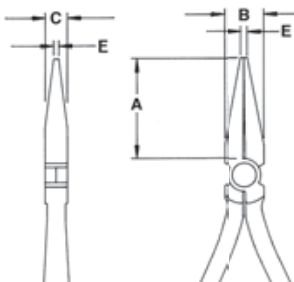
## Long Needle Nose Pliers - Thin Long Nose Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>LN54V</b>   | 043127085468 | 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          |

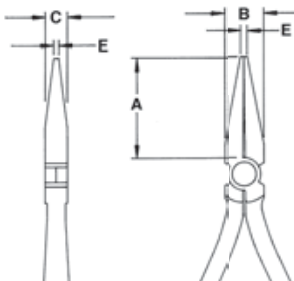
## Thin Long Nose Pliers - Fine Point



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)   | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|----------|------------------|-----------------|------------|
| <b>LN542</b>   | 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          |

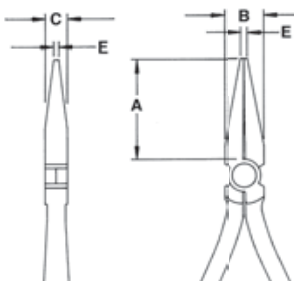
## Thin Long Nose Pliers - Smooth Jaws



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>LN54GV</b>  | 037103129154 | 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          |

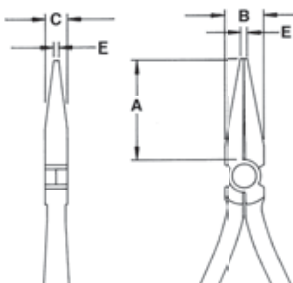
## Thin Long Nose Pliers



- 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 43)

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>ELN54</b>   | 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          |
| <b>ELN54G</b>  | 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          |

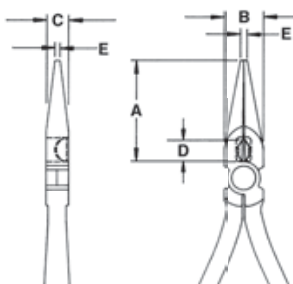
## Thin Long Nose Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>LN55V</b>   | 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          |

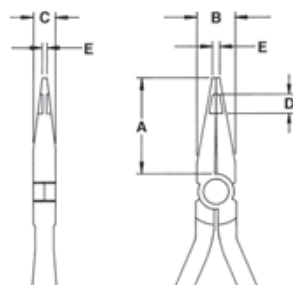
## Long Nose Side Cutting Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>SN54</b>    | 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          |
| <b>SN55V</b>   | 037103129185 | 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          |

## Wiring Pliers with Tip Cutter



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | E (inch)    | E (mm)    | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|-------------|-----------|------------------|-----------------|------------|
| <b>TC55</b>    | 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-Jaw Long Nose Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>CN54G</b>   | 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          |

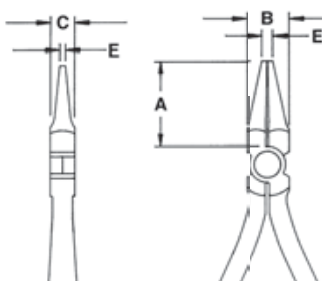
## 45° Curved-Tip Long Nose Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>CN55G</b>   | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)   | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|------------|---------|------------------|-----------------|------------|
| <b>RN54</b>    | 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          |

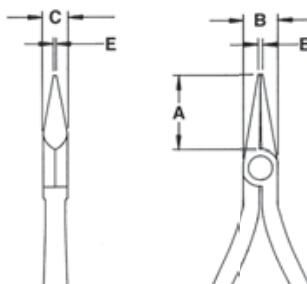
## Flat Nose Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>DN54GV</b>  | 037103129093 | 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          |

## 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)   | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|----------|------------------|-----------------|------------|
| <b>L4V</b>     | 043127085482 | Bagged | 4             | 100         | 13/16    | 21     | 3/8      | 10     | 9/32     | 7      | 3/64 x 1/32 | 1.2 x .8 | .78              | 354             | 6          |
| <b>L4G</b>     | 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          |

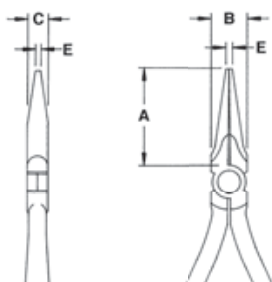
## Fine Point Needle Nose Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)   | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|----------|------------------|-----------------|------------|
| <b>NN542</b>   | 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          |

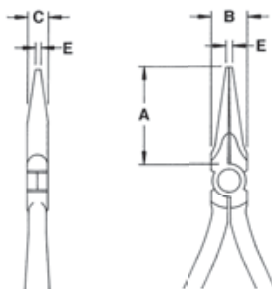
## Slim Line Needle Nose Pliers



- Slim line needle nose pliers
- For use between tightly spaced components
- NN54V, NN55V feature serrated jaws
- NN54G, NN55G feature smooth jaws
- Features green cushion grips

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>NN54V</b>   | 043127089499 | 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          |
| <b>NN54GV</b>  | 037103129130 | 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          |
| <b>NN55V</b>   | 037103129468 | 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          |
| <b>NN55G</b>   | 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          |

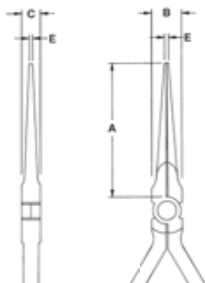
## Fine Point Needle Nose Pliers



- 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 43)

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>ENN54</b>   | 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          |

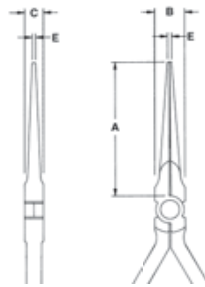
## Long Nose Wiring and Pick-up Pliers



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

| Catalog Number  | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|-----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>LN774512</b> | 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          |

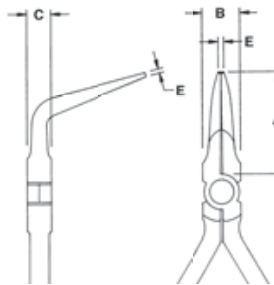
## Slim Line Long Needle Nose Pliers



- Slim line needle nose pliers
- Fine tip
- LN775512V features serrated jaws
- LN775512G features smooth jaws
- Features green cushion grips

| Catalog Number   | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)  | Pack weight (lb) | Pack weight (g) | Shelf pack |
|------------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|---------|------------------|-----------------|------------|
| <b>LN775512V</b> | 037103129499 | 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          |
| <b>LN775512G</b> | 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          |

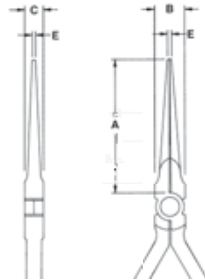
## 60° Curved-Jaw Long Nose Pliers



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm)    | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|-----------|------------------|-----------------|------------|
| <b>CN7776</b>  | 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
- NN7776V features serrated jaws
- NN7776G features smooth jaws
- Features green cushion grips

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch)    | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|-------------|--------|------------------|-----------------|------------|
| <b>NN7776V</b> | 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          |
| <b>NN7776G</b> | 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 Copaloy electronics pliers
- Durable pocket-pouch with heavy-duty snaps
- Each professional quality tool features the unique Copaloy rivet for smoother action
- Kit Includes:
  - EC54J 4 1/2" Transverse end cutting pliers
  - MS54V 4" Diagonal cutting pliers
  - SN54 5" Long nose pliers with side cutter
  - NN54V 5" Fine tip needle nose pliers
  - DN54GV 5" Flat nose pliers
  - LN54V 5" Long nose pliers
  - Pocket pouch with snaps

| Catalog number | UPC No.      | Description        | (lb) | (g) | Shelf pack |
|----------------|--------------|--------------------|------|-----|------------|
| <b>C1K</b>     | 043127880179 | 6 piece pliers kit | 1    | .45 | 1          |

## Pliers Kit - Electronics



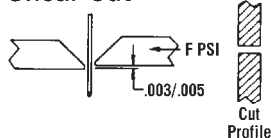
- A compact kit designed for the sophisticated electronics technician or dedicated hobbyist
- Consists of the six most popular Copaloy electronics pliers
- Durable pocket-pouch with heavy-duty snaps
- Each professional quality tool features the unique Copaloy rivet for smoother action
- Kit Includes:
  - M554J, M5543JV, M5545JV, GA54JV, vinyl pouch

| Catalog number | UPC No.      | Description        | (lb) | (g) | Shelf pack |
|----------------|--------------|--------------------|------|-----|------------|
| <b>C2K</b>     | 037103201911 | 4 Piece pliers kit | .49  | .22 | 6          |

## Electronic Shearcutters and Pliers

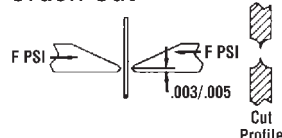
Superior Quality and Value

### Shear Cut



Total Operator  
Force = Less Than 1/2 F

### Crush Cut



Total Operator Force = F

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

- 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



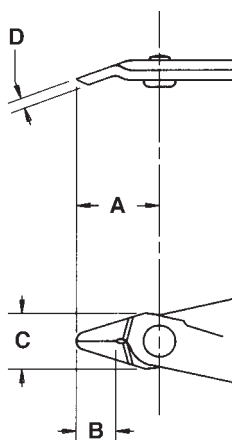
- Shearcutter — Red grips (Suffix "M")
- Advanced handle design
- Made from high quality carbon steel
- Non-glare black finish
- Superior shearing action

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

## Shearcutter - General-purpose



Safety Clip



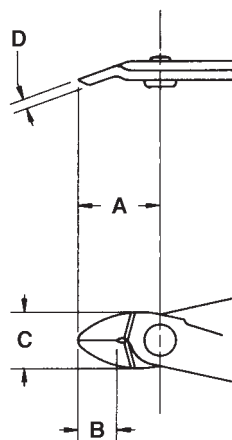
- Low profile, general-purpose cutter
- Superior blade by-pass shear cutting action
- Better cuts with half the effort
- Greatly reduced mechanical shock delivered to the work
- 170M, 175M feature red grips
- 170D, 175D feature static-dissipative black grips
- 175M, 175D feature safety clips
- 170D,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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>170M</b>    | 037103029959 | Carded | 5             | 127         | 3/4      | 19     | 11/32    | 9      | 1/2      | 13     | 5/64     | 2      | 1.5              | 680             | 6          |
| <b>170D</b>    | 037103029935 | Carded | 5             | 127         | 3/4      | 19     | 11/32    | 9      | 1/2      | 13     | 5/64     | 2      | 1.5              | 680             | 6          |
| <b>175M</b>    | 037103030023 | Carded | 5             | 127         | 3/4      | 19     | 11/32    | 9      | 1/2      | 13     | 5/64     | 2      | 1.5              | 680             | 6          |
| <b>175D</b>    | 037103030009 | Carded | 5             | 127         | 3/4      | 19     | 11/32    | 9      | 1/2      | 13     | 5/64     | 2      | 1.5              | 680             | 6          |

## Shearcutter - Heavy-duty



Safety Clip



- 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)

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>1178M</b>   | 037103030825 | Carded | 5 5/8         | 143         | 29/32    | 23     | 13/32    | 10     | 17/32    | 14     | 1/8      | 3      | 1.62             | 735             | 6          |
| <b>1178D</b>   | 037103030801 | Carded | 5 5/8         | 143         | 29/32    | 23     | 13/32    | 10     | 17/32    | 14     | 1/8      | 3      | 1.62             | 735             | 6          |
| <b>2178M</b>   | 037103039590 | Carded | 5 5/8         | 143         | 29/32    | 23     | 13/32    | 10     | 17/32    | 14     | 1/8      | 3      | 1.62             | 735             | 6          |
| <b>2178D</b>   | 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

| Catalog number | UPC No.      | Description |                                                           | (lb) | (g)  | Shelf pack |
|----------------|--------------|-------------|-----------------------------------------------------------|------|------|------------|
| <b>S2K</b>     | 043127135156 | Carded      | 2 piece set (170M and 378M)<br>10 each sets/case cut pack | 3.8  | 1724 | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>378M</b>    | 037103030252 | Carded | 5 1/2         | 140         | 1 1/2    | 32     | 17/32    | 14     | 1/8      | 3      | 3/64     | 1.2    | 1.62             | 735             | 6          |
| <b>378D</b>    | 037103030238 | Carded | 5 1/2         | 140         | 1 1/2    | 32     | 17/32    | 14     | 1/8      | 3      | 3/64     | 1.2    | 1.62             | 735             | 6          |
| <b>378SMM</b>  | 037103030320 | Carded | 5 1/2         | 140         | 1 1/2    | 32     | 17/32    | 14     | 1/8      | 3      | 3/64     | 1.2    | 1.62             | 735             | 6          |
| <b>378SMD</b>  | 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® Attachê Tool Cases

|                                                                                   | <b>⚠ WARNING</b>                                        | <b>⚠ AVERTISSEMENT</b>                                                     | <b>⚠ ADVERTENCIA</b>                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------|
|  | Risk Of Eye Injury<br>Wear ANSI Approved Eye Protection | Risque de dommages d'œil<br>Protection d'œil approuvée de l'usage A.N.S.I. | Riesgo de lesión del ojo<br>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"

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>134CG</b>   | 037103059994 | Bagged | 5.45          | 140         | 0.55     | 14     | 0.72     | 18.5   | 0.32     | 8.2    | 18.4             | 522             | 6          |

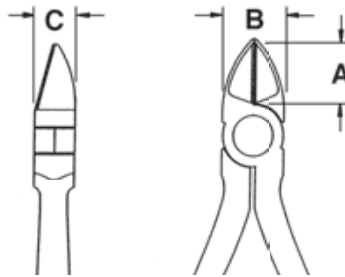
### Diagonal Pliers 54CG



- 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>54CGV</b>   | 037103481597 | Carded | 4             | 100         | 13/32    | 10     | 7/16     | 11     | 9/32     | 7      | 1/32     | 0.8    | 12.5             | 354             | 6          |

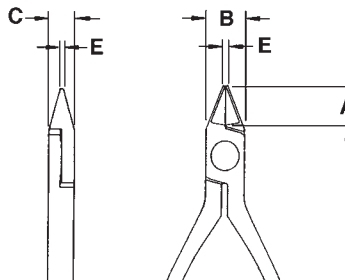
## 55NCG All-Purpose Pliers



- 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>55NCG</b>   | 037103213297 | Boxed  | 5             | 125         | 3/4      | 19     | 19/32    | 15     | 3/8      | 10     | -        | -      | 22.2             | 629             | 6          |
| <b>55NCGV</b>  | 037103213327 | Carded | 5             | 125         | 3/4      | 19     | 19/32    | 15     | 3/8      | 10     | -        | -      | 22.2             | 629             | 6          |

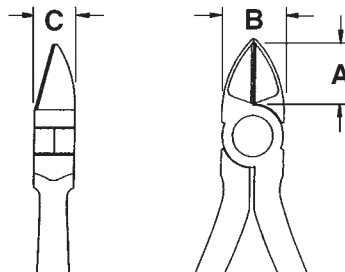
## 64CG Semi-flush Tip Cutting Pliers



- 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>64CGV</b>   | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| <b>66NCG</b>   | 037103213457 | Boxed  | 6             | 152         | 27/32    | 21     | 11/16    | 17     | 7/16     | 11     | -        | -      | 42.2             | 1196            | 6          |
| <b>66NCGV</b>  | 037103213464 | Carded | 6             | 152         | 27/32    | 21     | 11/16    | 17     | 7/16     | 11     | -        | -      | 42.2             | 1196            | 6          |

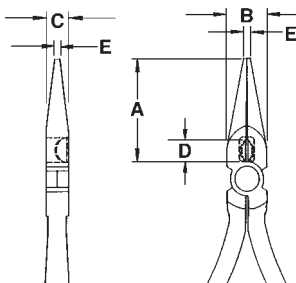
## 57CG Standard Pliers



- 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| 57CGV          | 037103481658 | Carded | 5 11/16       | 144         | -        | -      | 15/32    | 12     | 1/4      | 6      | 5/64     | 2      | 20.8             | 590             | 6          |

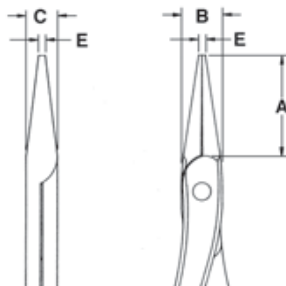
## 51NCG, 52NCG Firm Gripping and Looping Pliers



- 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | D (inch) | D (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| 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 Electricians 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | A (inch) | A (mm) | B (inch) | B (mm) | C (inch) | C (mm) | E (inch) | E (mm) | Pack weight (lb) | Pack weight (g) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------|--------|----------|--------|----------|--------|----------|--------|------------------|-----------------|------------|
| 59NCG          | 037103213730 | Boxed  | 8             | 200         | 1 1/2    | 32     | 9/16     | 14     | 15/32    | 12     | 3/32     | 2.4    | 44.5             | 1262            | 6          |

## 50CGV Utility 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Opening (inch) | Opening (mm) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------------|--------------|------------|
| <b>50CGV</b>   | 037103481511 | Carded | 5             | 127         | 1/2            | 12.7         | 6          |

## Seizer Forceps



- Seizer forcepsVersatile 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 construction3-position snap lock

| Catalog Number | UPC Number   | Packed | Description                           | Length (inch) | Length (mm) | Shelf pack |
|----------------|--------------|--------|---------------------------------------|---------------|-------------|------------|
| <b>32H</b>     | 037103481344 | Bagged | Straight nose jr. seizer, smooth jaws | 5.0           | 127         | 6          |
| <b>33HV</b>    | 037103481375 | Carded | Curved nose jr. seizer, smooth jaws   | 5.0           | 127         | 6          |
| <b>42HV</b>    | 037103481412 | Carded | Straight nose seizer, serrated jaws   | 5.5           | 140         | 6          |
| <b>43HV</b>    | 037103481436 | Carded | Curved nose seizer, serrated jaws     | 5.5           | 140         | 6          |

## Wire Strippers & Cutters with Cushion Grip Handles



- 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
- 22-8 AWG

| Catalog Number | UPC Number   | Packed | Description                     | Length (inch) | Length (mm) | Shelf pack |
|----------------|--------------|--------|---------------------------------|---------------|-------------|------------|
| <b>100XNV</b>  | 037103483577 | Bagged | Stripper, cutter                | 5             | 127         | 6          |
| <b>101SNV</b>  | 037103483591 | Bagged | Stripper, cutter-spring opening | 5             | 127         | 6          |

## 103SNV 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
- 22-8 AWG

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|------------|
| <b>103SNV</b>  | 037103483614 | Carded | 5 1/4         | 133         | 6          |

## 104CG Wire Stripper and Cutter



- For copper and aluminum wire 22-10 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
- 104CGCS packaged on a clip strip merchandising wand

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|------------|
| <b>104CG</b>   | 037103486820 | Boxed  | 8 1/4         | 210         | 6          |
| <b>104CGV</b>  | 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 22-10 AWG

| Catalog Number | UPC Number   | Packed | Description                              | Length (inch) | Length (mm) | Shelf pack |
|----------------|--------------|--------|------------------------------------------|---------------|-------------|------------|
| <b>105CGV</b>  | 037103486981 | Bagged | Stripper, cutter without spring and lock | 6             | 150         | 6          |
| <b>105SCGV</b> | 037103487001 | Bagged | Stripper, cutter-spring opening and lock | 6             | 150         | 6          |

## 86ncg 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Opening (inch) | Opening (mm) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|----------------|--------------|------------|
| <b>86NCG</b>   | 037103482129 | Boxed  | 6 1/2         | 165         | 1 1/2          | 38           | 6          |
| <b>86NCGV</b>  | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Description  | Shelf pack |
|----------------|--------------|--------|---------------|-------------|--------------|------------|
| <b>XL70</b>    | 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

| Catalog Number | UPC Number   | Packed | Description                | Shelf pack |
|----------------|--------------|--------|----------------------------|------------|
| <b>XL75V</b>   | 037103486714 | Bagged | 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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Jaw Capacity (inch) | Jaw Capacity (mm) | Shelf pack |
|----------------|--------------|--------|---------------|-------------|---------------------|-------------------|------------|
| <b>44CGV</b>   | 037103481450 | Bagged | 4             | 100         | 1/2                 | 13                | 6          |
| <b>46CGV</b>   | 037103481474 | Bagged | 6             | 150         | 15/16               | 24                | 6          |
| <b>48CGV</b>   | 037103481498 | Bagged | 8             | 200         | 1 1/8               | 29                | 6          |

## K22 Electrician's Knife



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

| Catalog Number | UPC Number   | Packed | Description         | Shelf pack |
|----------------|--------------|--------|---------------------|------------|
| <b>K22</b>     | 037103484239 | Boxed  | Electrician's knife | 6          |
| <b>K22V</b>    | 037103484246 | Carded | Electrician's knife | 6          |

## XSS Premium Stainless-Steel Tweezers



- High quality
- For electronic use
- Manufactured from anti-magnetic, anti-acid stainless steel
- Working tips hand finished for precise alignment
- Smooth jaws

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Description                 | Shelf pack |
|----------------|--------------|--------|---------------|-------------|-----------------------------|------------|
| <b>XSST3</b>   | 037103490957 | Bagged | 4 3/4         | 121         | Straight point              | 6          |
| <b>XSST3V</b>  | 037103490964 | Carded | 4 3/4         | 121         | Straight point carded       | 6          |
| <b>XSST3CV</b> | 037103490988 | Bagged | 4 1/4         | 158         | Straight point small carded | 6          |
| <b>XSST4V</b>  | 037103491008 | Carded | 4 1/4         | 108         | Fine taper point carded     | 6          |
| <b>XSST7V</b>  | 037103491046 | Carded | 4 1/2         | 115         | Curved tip-thin carded      | 6          |

## XHT General-Duty Tweezers



| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Description                                               | Shelf pack |
|----------------|--------------|--------|---------------|-------------|-----------------------------------------------------------|------------|
| <b>XHT434</b>  | 037103487636 | Carded | 4 3/4         | 121         | Smooth sharp points                                       | 6          |
| <b>XHT412</b>  | 037103487629 | Bagged | 4 1/2         | 115         | Self closing, smooth sharp points for holding work        | 6          |
| <b>XHT612</b>  | 037103487650 | Bagged | 6             | 165         | Self closing, especially good for soldering and gluing    | 6          |
| <b>XHT678</b>  | 037103487667 | Carded | 6 7/8         | 174         | For better view of close work for hard to reach places    | 6          |
| <b>XHT700</b>  | 037103487674 | Carded | 7             | 178         | Slender tapered point to fit in tight places              | 6          |
| <b>XHT600</b>  | 037103487643 | Carded | 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

### X100 Light-duty Precision Knives



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

| Catalog Number | UPC Number   | Packed | Length (inch)         | Length (mm) | Type of Blade | Shelf pack |
|----------------|--------------|--------|-----------------------|-------------|---------------|------------|
| <b>XN100</b>   | 037103487681 | Boxed  | 5 13/16               | 148         | XNB103        | 6          |
| <b>XN100B</b>  | 037103488466 | Boxed  | Same as XN-100 – Tube | 24          |               | 144        |

### X200 Medium-duty Precision Knife



- Designed for heavy paper and medium density materials

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Type of Blade | Shelf pack |
|----------------|--------------|--------|---------------|-------------|---------------|------------|
| <b>XN200</b>   | 037103487698 | Boxed  | 5 3/4         | 146         | XNB205        | 6          |

### X210 Heavy-duty Plastic Handle Precision Knife



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Type of Blade | Shelf pack |
|----------------|--------------|--------|---------------|-------------|---------------|------------|
| <b>XN210</b>   | 037103487704 | Boxed  | 5 7/16        | 137         | XNB201        | 6          |

### X300 Carving Precision Knife



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

| Catalog Number | UPC Number   | Packed | Length (inch) | Length (mm) | Type of Blade | Shelf pack |
|----------------|--------------|--------|---------------|-------------|---------------|------------|
| <b>XN300</b>   | 037103487728 | Boxed  | 5 5/8         | 144         | XNB301        | 6          |

## XS100 Light and Medium-duty Knife Set



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

| Catalog Number | UPC Number   | Packed | Length (inch)                               | Length (mm) | Type of Blade | Shelf pack |
|----------------|--------------|--------|---------------------------------------------|-------------|---------------|------------|
| <b>XNS100</b>  | 037103487742 | Boxed  | XN100 and XN200 knives & 10 assorted blades | 6           | XNB205        | 6          |

## XB Replacement Blades



**XNB101** Standard



**XNB105** Stencil



**XNB203** General Purpose



**XNB301** Straight Carving



**XNB103** Fine Pointed



**XNB201** Chisel



**XNB205** Pointed



**XNB305** Curved Carving

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

| Catalog Number | UPC Number   | Quantity | Description                                                                                 | Fits knife    | Shelf pack |
|----------------|--------------|----------|---------------------------------------------------------------------------------------------|---------------|------------|
| <b>XNB103</b>  | 037103487766 | 5        | For most detailed cutting and stripping                                                     | XN100         | 6          |
| <b>XNB103B</b> | 037103488473 | 100      | For most detailed cutting and stripping                                                     | XN100         | 1          |
| <b>XNB203</b>  | 037103487797 | 5        | For most cutting requirements                                                               | XN200/210/300 | 6          |
| <b>XNB105</b>  | 037103487773 | 5        | For scoring and etching as well as stencil cutting                                          | XN100         | 6          |
| <b>XNB205</b>  | 037103487803 | 5        | For close corner cuts on templates, mates, gaskets, also trimming, stripping and de-burring | XN200/210/300 | 6          |
| <b>XNB201</b>  | 037103487780 | 5        | Rough shaping de-burring and chiseling                                                      | XN200/210/300 | 6          |
| <b>XNB101</b>  | 037103487759 | 5        | General-duty for cutting, carving and correcting stencils                                   | XN100         | 6          |
| <b>XNB301</b>  | 037103487834 | 2        | For general-purpose carving                                                                 | XN300         | 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

| Catalog Number | UPC Number   | Packed | (inch)              | (mm)    | Description                          | Shelf pack |
|----------------|--------------|--------|---------------------|---------|--------------------------------------|------------|
| <b>TKX11</b>   | 037103487377 | Boxed  | -                   | -       | Complete tool kit                    | 1          |
| <b>R144</b>    | 037103485403 | Boxed  | 1/4 x 4             | 101     | Round blade screwdriver              | -          |
| <b>R184</b>    | 037103485496 | Boxed  | 1/8 x 4             | 101     | Round blade screwdriver              | -          |
| <b>X101</b>    | 037103486394 | Boxed  | No. 1 Phillips® x 3 | 76      | Round blade screwdriver              | -          |
| <b>P12S</b>    | 037103484857 | Boxed  | No. 0 Phillips® x 2 | 51      | Round blade screwdriver              | -          |
| <b>51NCG</b>   | 037103212856 | Boxed  | 6                   | 152     | Long nose pliers with side cutter    | -          |
| <b>46CGV</b>   | 037103481467 | Boxed  | 6                   | 152     | Adjustable wrench                    | -          |
| <b>S141</b>    | 037103485854 | Boxed  | 1/4 x 11/4          | 32      | Stubby square blade screwdriver      | -          |
| <b>W9210ME</b> | 037103458766 | Boxed  | 1/2                 | 13 x 10 | Metric/English tape rule             | -          |
| <b>8</b>       | 037103481108 | Boxed  | 1/4                 | 6.35    | Hex nutdriver                        | -          |
| <b>100XNV</b>  | 037103254733 | Boxed  | 5                   | 127     | Wire-stripping, cutter, cushion grip | -          |
| <b>H26N</b>    | 037103227959 | Boxed  | 6 1/2               | 165     | Combination plier CEETEE 6 1/2"      | -          |

## 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: 20”x16 3/4”x13 1/2” 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.

| Catalog Number    | UPC Number   | Packed                  |
|-------------------|--------------|-------------------------|
| <b>TCMB100STW</b> | 037103107787 | Tool case with tools    |
| <b>TCMB100MTW</b> | 037103107794 | Tool case only-NO TOOLS |

| Catalog Number     | Description                              | Qty | Catalog Number | Description                            | Qty | Catalog Number | Description             | Qty |
|--------------------|------------------------------------------|-----|----------------|----------------------------------------|-----|----------------|-------------------------|-----|
| <b>991</b>         | Handle – regular                         | 1   | <b>57CGV</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>103SV</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>XL75V</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>R3166I</b>  | Slotted screwdriver (insulated blade)  | 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>53CG/ R27CV</b> | Utility pliers 7” / 178mm                | 1   | <b>SX101</b>   | Phillips® screwdriver                  | 1   | <b>P11</b>     | Midget nutdriver        | 1   |
| <b>54CGV</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 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

| Catalog Number  | UPC Number   | Packed               |
|-----------------|--------------|----------------------|
| <b>TCA100ST</b> | 037103491343 | Tool case with tools |

| Catalog Number         | Description                              | Qty | Catalog Number | Description                            | Qty | Catalog Number | Description             | Qty |
|------------------------|------------------------------------------|-----|----------------|----------------------------------------|-----|----------------|-------------------------|-----|
| <b>991</b>             | Handle – regular                         | 1   | <b>57CGV</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>103SNV</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>XL75V</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>R3166I</b>  | Slotted screwdriver (insulated blades) | 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>42HV</b>            | Straight nose seizer                     | 1   | <b>S388</b>    | Slotted screwdriver                    | 1   | <b>P7</b>      | Midget nutdriver        | 1   |
| <b>46CGV</b>           | Adjustable wrench 6"/152mm               | 1   | <b>S3161</b>   | Slotted screwdriver                    | 1   | <b>P8</b>      | Midget nutdriver        | 1   |
| <b>50CGV</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>53CG/<br/>R27CV</b> | Utility pliers 7"/178mm                  | 1   | <b>SX101</b>   | Phillips® screwdriver                  | 1   | <b>P11</b>     | Midget nutdriver        | 1   |
| <b>54CGV</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 TCMB100ME



- Contains 53 individual hand tools, 29 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

| Catalog Number   | UPC Number   | Packed                  |
|------------------|--------------|-------------------------|
| <b>TCMB100ME</b> | 037103491527 | Tool case with tools    |
| <b>TCMB100MT</b> | 037103491206 | Tool case only-NO TOOLS |

| Catalog Number       | Description                              | Qty | Catalog Number | Description                            | Qty | Catalog Number | Description             | Qty |
|----------------------|------------------------------------------|-----|----------------|----------------------------------------|-----|----------------|-------------------------|-----|
| <b>991</b>           | Handle – regular                         | 1   | <b>57CGV</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>103SV</b>   | Wire stripper/cutter                   | 1   | <b>4.5MM</b>   | Nutdriver               | 1   |
| <b>99X10</b>         | Extension                                | 1   | <b>K22</b>     | Electrician's knife                    | 1   | <b>6MM</b>     | Nutdriver               | 1   |
| <b>9938</b>          | Reamer                                   | 1   | <b>M60</b>     | Mini drivers                           | 1   | <b>8MM</b>     | Nutdriver               | 1   |
| <b>99125</b>         | Slotted screw blade                      | 1   | <b>XL75V</b>   | Offset ratchet screwdrivers            | 1   | <b>9MM</b>     | Nutdriver               | 1   |
| <b>99250</b>         | Slotted screw blade                      | 1   | <b>600</b>     | Combination screwdriver-nutdriver tool | 1   | <b>10MM</b>    | Nutdriver               | 1   |
| <b>99312</b>         | Slotted screw blade                      | 1   | <b>SB1</b>     | Dual reversible screwdriver blade      | 1   | <b>11MM</b>    | Nutdriver               | 1   |
| <b>99811</b>         | Slotted screw blade                      | 1   | <b>R144</b>    | Slotted screwdriver                    | 1   | <b>13MM</b>    | Nutdriver               | 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>P3MM</b>    | Midget nutdriver        | 1   |
| <b>9971 - 9977MM</b> | Allen® hex socket type blades (7)        | 1   | <b>R3166I</b>  | Slotted screwdriver (insulated blades) | 1   | <b>P3.5MM</b>  | Midget nutdriver        | 1   |
| <b>42HV</b>          | Straight nose seizer                     | 1   | <b>R3323</b>   | Slotted screwdriver                    | 1   | <b>P4MM</b>    | Midget nutdriver        | 1   |
| <b>46CGV</b>         | Adjustable wrench 6"/152mm               | 1   | <b>R5325</b>   | Slotted screwdriver                    | 1   | <b>P4.5MM</b>  | Midget nutdriver        | 1   |
| <b>50CGV</b>         | Midget slip joint pliers 5"/127mm        | 1   | <b>S388</b>    | Slotted screwdriver                    | 1   | <b>P5MM</b>    | Midget nutdriver        | 1   |
| <b>51NCG</b>         | Long nose pliers 6"/152mm                | 1   | <b>S3161</b>   | Slotted screwdriver                    | 1   | <b>P5.5MM</b>  | Midget nutdriver        | 1   |
| <b>53CG/ R27CV</b>   | Utility pliers 7"/178mm                  | 1   | <b>S5161</b>   | Slotted screwdriver                    | 1   | <b>P6MM</b>    | Midget nutdriver        | 1   |
| <b>54CGV</b>         | Diagonal pliers 4"/101mm                 | 1   | <b>S5166</b>   | Slotted screwdriver                    | 1   | <b>P7MM</b>    | Midget nutdriver        | 1   |
| <b>66NCG</b>         | Diagonal pliers 6"/152mm                 | 1   | <b>SX101</b>   | Phillips® screwdriver                  | 1   | <b>P8MM</b>    | Midget nutdriver        | 1   |
|                      |                                          |     | <b>XST100</b>  | Phillips® screwdriver                  | 1   | <b>P10MM</b>   | Midget nutdriver        | 1   |
|                      |                                          |     | <b>XST101</b>  | Phillips® screwdriver                  | 1   | <b>TA2</b>     | 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

| Catalog Number   | UPC Number   | Packed                  |
|------------------|--------------|-------------------------|
| <b>TCMB100ST</b> | 037103491990 | Tool case with tools    |
| <b>TCMB100MT</b> | 037103491206 | Tool case only-NO TOOLS |

| Catalog Number     | Description                              | Qty | Catalog Number | Description                            | Qty | Catalog Number | Description             | Qty |
|--------------------|------------------------------------------|-----|----------------|----------------------------------------|-----|----------------|-------------------------|-----|
| <b>991</b>         | Handle – regular                         | 1   | <b>57CGV</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>103Snv</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>XL75V</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>R3166I</b>  | Slotted screwdriver (insulated blades) | 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>42HV</b>        | Straight nose seizer                     | 1   | <b>S388</b>    | Slotted screwdriver                    | 1   | <b>P7</b>      | Midget nutdriver        | 1   |
| <b>46CGV</b>       | Adjustable wrench 6"/152mm               | 1   | <b>S3161</b>   | Slotted screwdriver                    | 1   | <b>P8</b>      | Midget nutdriver        | 1   |
| <b>50CGV</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>53CG/ R27CV</b> | Utility pliers 7"/178mm                  | 1   | <b>SX101</b>   | Phillips® screwdriver                  | 1   | <b>P11</b>     | Midget nutdriver        | 1   |
| <b>54CGV</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

| Catalog Number  | UPC Number   | Packed               |
|-----------------|--------------|----------------------|
| <b>TCS100ST</b> | 037103491251 | Tool case with tools |

| Catalog Number     | Description                              | Qty | Catalog Number | Description                            | Qty | Catalog Number | Description             | Qty |
|--------------------|------------------------------------------|-----|----------------|----------------------------------------|-----|----------------|-------------------------|-----|
| <b>991</b>         | Handle – regular                         | 1   | <b>57CGV</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>103SNV</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>XL75V</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>R3166I</b>  | Slotted screwdriver (insulated blades) | 1   | <b>P4</b>      | Midget nutdriver        | 1   |
| <b>42HV</b>        | Straight nose seizer                     | 1   | <b>R3323</b>   | Slotted screwdriver                    | 1   | <b>P5</b>      | Midget nutdriver        | 1   |
| <b>46CGV</b>       | Adjustable wrench 6"/152mm               | 1   | <b>R5325</b>   | Slotted screwdriver                    | 1   | <b>P6</b>      | Midget nutdriver        | 1   |
| <b>50CGV</b>       | Midget slip joint pliers 5"/127mm        | 1   | <b>S388</b>    | Slotted screwdriver                    | 1   | <b>P7</b>      | Midget nutdriver        | 1   |
| <b>51NCG</b>       | Long nose pliers 6"/152mm                | 1   | <b>S3161</b>   | Slotted screwdriver                    | 1   | <b>P8</b>      | Midget nutdriver        | 1   |
| <b>53CG/ R27CV</b> | Utility pliers 7"/178mm                  | 1   | <b>S5161</b>   | Slotted screwdriver                    | 1   | <b>P9</b>      | Midget nutdriver        | 1   |
| <b>54CGV</b>       | Diagonal pliers 4"/101mm                 | 1   | <b>S5166</b>   | Slotted screwdriver                    | 1   | <b>P10</b>     | Midget nutdriver        | 1   |
| <b>66NCG</b>       | Diagonal pliers 6"/152mm                 | 1   | <b>SX101</b>   | Phillips® screwdriver                  | 1   | <b>P11</b>     | Midget nutdriver        | 1   |
|                    |                                          |     | <b>XST100</b>  | Phillips® screwdriver                  | 1   | <b>P12</b>     | Midget nutdriver        | 1   |
|                    |                                          |     | <b>XST101</b>  | Phillips® screwdriver                  | 1   | <b>TA2</b>     | 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

| Catalog Number  | UPC Number   | Packed               |
|-----------------|--------------|----------------------|
| <b>TCA150ST</b> | 037103491367 | Tool case with tools |

| Catalog Number               | Description                       | Qty | Catalog Number | Description                           | Qty |
|------------------------------|-----------------------------------|-----|----------------|---------------------------------------|-----|
| <b>991, 994R</b>             | Handles (regular and ratchet Tee) | 1   | <b>S3161</b>   | Slotted screwdriver                   | 1   |
| <b>99X5</b>                  | Extension                         | 1   | <b>SX101</b>   | Phillips® screwdriver                 | 1   |
| <b>9920-26, 99764, 99964</b> | Allen® hex-socket type blades (9) | 1   | <b>XL75V</b>   | 5-piece set in see-thru plastic pouch | 1   |
| <b>996 - 12</b>              | Hex nutdriver blades (7)          | 1   | <b>600</b>     | Combination Dual Nutdriver Handle     | 1   |
| <b>99250 &amp; 99811</b>     | Screwdriver blades                | 1   | <b>W9210ME</b> | 10-foot tape                          | 1   |
| <b>99821 &amp; 99822</b>     | Phillips® screw blades            | 1   | <b>HS14</b>    | Hollow shaft nutdriver                | 1   |
| <b>9938</b>                  | Reamer                            | 1   | <b>HS16</b>    | Hollow shaft nutdriver                | 1   |
| <b>42HV</b>                  | Seizer                            | 1   | <b>8M</b>      | Magnetic nutdriver                    | 1   |
| <b>46CGV</b>                 | Adjustable wrench                 | 1   | <b>10M</b>     | Magnetic driver                       | 1   |
| <b>50CGV</b>                 | Midget slip joint pliers 5"/127mm | 1   | <b>WP25</b>    | Weller® 25 watt soldering iron        | 1   |
| <b>53CG/R27CV</b>            | 7"/178mm Utility pliers           | 1   |                |                                       |     |
| <b>51NCG</b>                 | Long nose pliers 6"/152mm         | 1   |                |                                       |     |
| <b>54CGV</b>                 | 4"/102mm Diagonal                 | 1   |                |                                       |     |
| <b>55NCGV</b>                | 5"/127mm Diagonal                 | 1   |                |                                       |     |
| <b>57CGV</b>                 | 5 1/2"/102mm Diagonal             | 1   |                |                                       |     |
| <b>59NCG</b>                 | 8"/203mm Chain nose pliers        | 1   |                |                                       |     |
| <b>86NCG</b>                 | Electronic snips                  | 1   |                |                                       |     |
| <b>101SNV</b>                | Wire stripper                     | 1   |                |                                       |     |
| <b>K22</b>                   | Electrician's knife               | 1   |                |                                       |     |
| <b>R181</b>                  | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R3323</b>                 | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R184</b>                  | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R3164</b>                 | Slotted screwdriver               | 1   |                |                                       |     |
| <b>S5166</b>                 | Slotted screwdriver               | 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

| Catalog Number   | UPC Number   | Packed                    |
|------------------|--------------|---------------------------|
| <b>TCMB150ST</b> | 037103491213 | Tool case with tools      |
| <b>TCMB150MT</b> | 037103491220 | Tool case only - NO TOOLS |

| Catalog Number                 | Description                       | Qty | Catalog Number | Description                           | Qty |
|--------------------------------|-----------------------------------|-----|----------------|---------------------------------------|-----|
| <b>991, 994R</b>               | Handles (regular and ratchet Tee) | 1   | <b>S3161</b>   | Slotted screwdriver                   | 1   |
| <b>99X5</b>                    | Extension                         | 1   | <b>SX101</b>   | Phillips® screwdriver                 | 1   |
| <b>9920 - 26, 99764, 99964</b> | Allen® hex-socket type blades (9) | 1   | <b>XL75V</b>   | 5-piece set in see-thru plastic pouch | 1   |
| <b>996 - 12</b>                | Hex nutdriver blades (7)          | 1   | <b>600</b>     | Combination Dual Nutdriver Handle     | 1   |
| <b>99250 &amp; 99811</b>       | Screwdriver blades                | 1   | <b>W9210ME</b> | 10-foot tape                          | 1   |
| <b>99821 &amp; 99822</b>       | Phillips® screw blades            | 1   | <b>HS14</b>    | Hollow shaft nutdriver                | 1   |
| <b>9938</b>                    | Reamer                            | 1   | <b>HS16</b>    | Hollow shaft nutdriver                | 1   |
| <b>42HV</b>                    | Seizer                            | 1   | <b>8M</b>      | Magnetic nutdriver                    | 1   |
| <b>46CGV</b>                   | Adjustable wrench                 | 1   | <b>10M</b>     | Magnetic nutdriver                    | 1   |
| <b>50CGV</b>                   | Midget slip joint pliers 5"/127mm | 1   | <b>WP25</b>    | Weller® 25 watt soldering iron        | 1   |
| <b>53CG/R27CV</b>              | 7"/178mm Utility pliers           | 1   |                |                                       |     |
| <b>51NCG</b>                   | Long nose pliers 6"/152mm         | 1   |                |                                       |     |
| <b>54CGV</b>                   | 4"/102mm Diagonal                 | 1   |                |                                       |     |
| <b>55NCG</b>                   | 5"/127mm Diagonal                 | 1   |                |                                       |     |
| <b>57CGV</b>                   | 5 1/2"/102mm Diagonal             | 1   |                |                                       |     |
| <b>59NCG</b>                   | 8"/203mm Chain nose pliers        | 1   |                |                                       |     |
| <b>86NCG</b>                   | Electronic snips                  | 1   |                |                                       |     |
| <b>101SNV</b>                  | Wire stripper                     | 1   |                |                                       |     |
| <b>K22</b>                     | Electrician's knife               | 1   |                |                                       |     |
| <b>R181</b>                    | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R3323</b>                   | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R184</b>                    | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R3164</b>                   | Slotted screwdriver               | 1   |                |                                       |     |
| <b>S5166</b>                   | Slotted screwdriver               | 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 3/4" / 432mm x 305mm x 76mm

| Catalog Number  | UPC Number   | Packed                  |
|-----------------|--------------|-------------------------|
| <b>TCS150ST</b> | 037103491275 | Tool case with tools    |
| <b>TCS150MT</b> | 037103491282 | Tool case only-NO TOOLS |

| Catalog Number                 | Description                       | Qty | Catalog Number | Description                           | Qty |
|--------------------------------|-----------------------------------|-----|----------------|---------------------------------------|-----|
| <b>991, 994R</b>               | Handles (regular and ratchet Tee) | 1   | <b>S3161</b>   | Slotted screwdriver                   | 1   |
| <b>99X5</b>                    | Extension                         | 1   | <b>SX101</b>   | Phillips® screwdriver                 | 1   |
| <b>9920 - 26, 99764, 99964</b> | Allen® hex-socket type blades (9) | 1   | <b>XL75V</b>   | 5-piece set in see-thru plastic pouch | 1   |
| <b>996 - 12</b>                | Hex nutdriver blades (7)          | 1   | <b>600</b>     | Combination Dual Nutdriver Handle     | 1   |
| <b>99250 &amp; 99811</b>       | Screwdriver blades                | 1   | <b>W9210ME</b> | 10-foot tape                          | 1   |
| <b>99821 &amp; 99822</b>       | Phillips® screw blades            | 1   | <b>HS14</b>    | Hollow shaft nutdriver                | 1   |
| <b>9938</b>                    | Reamer                            | 1   | <b>HS16</b>    | Hollow shaft nutdriver                | 1   |
| <b>42HV</b>                    | Seizer                            | 1   | <b>8M</b>      | Magnetic nutdriver                    | 1   |
| <b>46CGV</b>                   | Adjustable wrench                 | 1   | <b>10M</b>     | Magnetic nutdriver                    | 1   |
| <b>50CGV</b>                   | Midget slip joint pliers 5"/127mm | 1   | <b>WP25</b>    | Weller® 25 watt soldering iron        | 1   |
| <b>53CG/R27CV</b>              | 7"/178mm Utility pliers           | 1   |                |                                       |     |
| <b>51NCG</b>                   | Long nose pliers 6"/152mm         | 1   |                |                                       |     |
| <b>54CGV</b>                   | 4"/102mm Diagonal                 | 1   |                |                                       |     |
| <b>55NCG</b>                   | 5"/127mm Diagonal                 | 1   |                |                                       |     |
| <b>57CGV</b>                   | 5 1/2"/102mm Diagonal             | 1   |                |                                       |     |
| <b>59NCG</b>                   | 8"/203mm Chain nose pliers        | 1   |                |                                       |     |
| <b>86NCG</b>                   | Electronic snips                  | 1   |                |                                       |     |
| <b>101SNV</b>                  | Wire stripper                     | 1   |                |                                       |     |
| <b>K22</b>                     | Electrician's knife               | 1   |                |                                       |     |
| <b>R181</b>                    | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R3323</b>                   | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R184</b>                    | Slotted screwdriver               | 1   |                |                                       |     |
| <b>R3164</b>                   | Slotted screwdriver               | 1   |                |                                       |     |
| <b>S5166</b>                   | Slotted screwdriver               | 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

| Catalog Number  | UPC Number          | Packed                      |
|-----------------|---------------------|-----------------------------|
| <b>TCS200ST</b> | <b>037103490421</b> | <b>Tool case with tools</b> |

| Catalog Number     | Description                   | Qty | Catalog Number    | Description                     | Qty |
|--------------------|-------------------------------|-----|-------------------|---------------------------------|-----|
| <b>991</b>         | Straight handle               | 1   | <b>53CG/R27CV</b> | Utility pliers 7"/178mm         | 1   |
| <b>994</b>         | Tee handle                    | 1   | <b>64CGV</b>      | Diagonal cutter 4"/101mm        | 1   |
| <b>9920 - 9926</b> | Hex socket screw blades(7)    | 1   | <b>55NCG</b>      | Diagonal pliers 5"/127mm        | 1   |
| <b>99764</b>       | Hex socket screw blade        | 1   | <b>57CGV</b>      | Needle nose pliers 5 1/2"/139mm | 1   |
| <b>99964</b>       | Hex socket screw blade        | 1   | <b>86NCG</b>      | Electronic snips                | 1   |
| <b>9938</b>        | Reamer                        | 1   | <b>101SNV</b>     | Wire stripper-cutter            | 1   |
| <b>99X5</b>        | Extension                     | 1   | <b>K22</b>        | Electrician's knife             | 1   |
| <b>99820</b>       | Phillips® screw blade         | 1   |                   |                                 |     |
| <b>99821</b>       | Phillips® screw blade         | 1   |                   |                                 |     |
| <b>99822</b>       | Phillips® screw blade         | 1   |                   |                                 |     |
| <b>99125</b>       | Slotted screw blade           | 1   |                   |                                 |     |
| <b>99811</b>       | Slotted screw blade           | 1   |                   |                                 |     |
| <b>99250</b>       | Slotted screw blade           | 1   |                   |                                 |     |
| <b>99312</b>       | Slotted screw blade           | 1   |                   |                                 |     |
| <b>996</b>         | Hex nutdriver blade           | 1   |                   |                                 |     |
| <b>998</b>         | Hex nutdriver blade           | 1   |                   |                                 |     |
| <b>9910</b>        | Hex nutdriver blade           | 1   |                   |                                 |     |
| <b>9911</b>        | Hex nutdriver blade           | 1   |                   |                                 |     |
| <b>9912</b>        | Hex nutdriver blade           | 1   |                   |                                 |     |
| <b>9914</b>        | Hex nutdriver blade           | 1   |                   |                                 |     |
| <b>9916</b>        | Hex nutdriver blade           | 1   |                   |                                 |     |
| <b>43HV</b>        | Curved nose seizer 6"/152mm   | 1   |                   |                                 |     |
| <b>46CGV</b>       | Adjustable wrench 6"/152mm    | 1   |                   |                                 |     |
| <b>51NCG</b>       | Long nose pliers 6 1/2"/165mm | 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 and they deliver up to 50% better mechanical gain than any other kind. Increased mechanical gain gives you 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 with main features of:

#### 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® Insulated Terminals and Splices



- 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



| Catalog Number | UPC Number   | Packed | Description                   | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|----------------|--------------|--------|-------------------------------|------------------|------------------|------------|
| <b>ECP100</b>  | 037103059307 | Boxed  | ECP000 frame and D100 die set | 1.2              | 0.54             | 1          |
| <b>D100</b>    | 037103059345 | Boxed  | Die set for ECP100            | -                | -                | 1          |

## ErgoCrimp Plus® 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

| Catalog Number | UPC Number   | Packed | Description                   | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|----------------|--------------|--------|-------------------------------|------------------|------------------|------------|
| <b>ECP101</b>  | 037103197146 | Boxed  | ECP000 frame and D101 die set | 1.4              | 0.64             | 1          |
| <b>D101</b>    | 037103059352 | Boxed  | Die set F/E ECP101            | -                | -                | 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

| Catalog Number | UPC Number   | Packed | Description                         | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|----------------|--------------|--------|-------------------------------------|------------------|------------------|------------|
| <b>ECP000</b>  | 037103059338 | Boxed  | ErgoCrimp Plus® crimping tool-large | 1.00             | 0.45             | 1          |

## ErgoCrimp Plus® Crimping Tool for Open-Barrel



- Precision-machined hardened steel
- Precise eccentric adjustment for consistent performance for life of tool
- Special dies are also available upon request

| Catalog Number | UPC Number    | Packed | Description                                        | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|----------------|---------------|--------|----------------------------------------------------|------------------|------------------|------------|
| <b>ECP112</b>  | 0371031979245 | Boxed  | Crimp tool, ergo, 22-10 AWG, open barrel terminals | 1.2              | .054             | 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



| Catalog Number | UPC Number   | Packed | Description | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|----------------|--------------|--------|-------------|------------------|------------------|------------|
| <b>D100</b>    | 037103059345 | Boxed  | Die set     | 1                | 0.45             | 1          |

## 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



| Catalog Number | UPC Number   | Packed | Description | Shelf pack |
|----------------|--------------|--------|-------------|------------|
| <b>D101</b>    | 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



| Catalog Number | UPC Number   | Packed | Description | Shelf pack |
|----------------|--------------|--------|-------------|------------|
| <b>D102</b>    | 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.



| Catalog Number | UPC Number   | Packed | Description | Shelf pack |
|----------------|--------------|--------|-------------|------------|
| <b>D104</b>    | 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

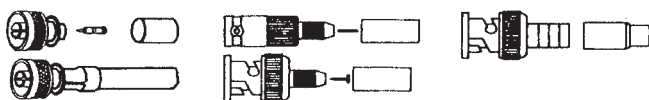


| Catalog Number | UPC Number   | Packed | Description | Shelf pack |
|----------------|--------------|--------|-------------|------------|
| <b>D105</b>    | 037103059390 | Boxed  | Die set     | 1          |

## 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



| Catalog Number | UPC Number   | Packed | Description | Shelf pack |
|----------------|--------------|--------|-------------|------------|
| <b>D106</b>    | 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

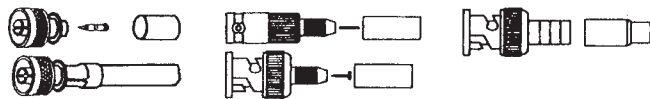


| Catalog Number | UPC Number   | Packed | Description | Shelf pack |
|----------------|--------------|--------|-------------|------------|
| <b>D107</b>    | 037103059413 | Boxed  | Die set     | 1          |

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



| Catalog Number | UPC Number   | Packed | Description | Shelf pack |
|----------------|--------------|--------|-------------|------------|
| D109           | 037103059437 | 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.



MIC has the smallest handle spread available

### Maxi-crimper (MAC)

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



MAC is built bigger for greater termination power

## 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



| Catalog Number | UPC Number   | Packed | Description         | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|----------------|--------------|--------|---------------------|------------------|------------------|------------|
| <b>MAC2210</b> | 037103489180 | Boxed  | Maxi-crimper tool   | 1.1              | 0.5              | 1          |
| <b>D2210</b>   | 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



| Catalog Number   | UPC Number   | Packed | Description                                                  | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|------------------|--------------|--------|--------------------------------------------------------------|------------------|------------------|------------|
| <b>MIC3020BL</b> | 037103490391 | Boxed  | Mini-crimper tool                                            | 0.55             | 0.25             | 1          |
| <b>MICPZD3</b>   | 037103197269 | Boxed  | Crimp tool. insulated/non-insulated, wire ferrule, 22-10 AWG | 0.55             | 0.25             | 1          |

## Combination, Self-adjusting Wire Stripper



- Tool capable of stripping wires from 32-10 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

| Catalog Number | UPC Number   | Packed | Description                  | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|----------------|--------------|--------|------------------------------|------------------|------------------|------------|
| <b>SAS3210</b> | 037103197306 | Boxed  | Self-adjusting wire stripper | 1                | 0.54             | 1          |

## Interchangeable Replacement Blade for SAS3210 Combination Wire Stripper



- Interchangeable replacement blade for SAS3210 combination wire stripper
- Capable of stripping wires from 32-10 AWG without adjustment

| Catalog Number   | UPC Number   | Packed | Description                       | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|------------------|--------------|--------|-----------------------------------|------------------|------------------|------------|
| <b>SAS3210RB</b> | 037103197276 | Boxed  | Interchangeable replacement blade | 1                | 0.54             | 1          |

## Interchangeable Replacement Blade for SAS3210 Combination Wire Stripper



- Interchangeable replacement blade for SAS3210 combination wire stripper
- Capable of stripping Teflon® insulation from 28-12 AWG

| Catalog Number    | UPC Number   | Packed | Description                              | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|-------------------|--------------|--------|------------------------------------------|------------------|------------------|------------|
| <b>SAS3210TRB</b> | 037103197283 | Boxed  | Interchangeable replacement blade/Teflon | 1                | 0.54             | 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



| Catalog Number  | UPC Number   | Packed | Description      | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|-----------------|--------------|--------|------------------|------------------|------------------|------------|
| <b>2CSKCATV</b> | 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)

| Catalog Number | UPC Number   | Packed | Description           | Pack weight (lb) | Pack weight (kg) | Shelf pack |
|----------------|--------------|--------|-----------------------|------------------|------------------|------------|
| <b>CJS100</b>  | 037103197061 | Carded | Cable jacket stripper | 1                | 6                | 3          |
| <b>CJS100B</b> | 037103197122 | Boxed  | Replacement blade     | 1                | -                | -          |
| <b>CJS200</b>  | 037103197085 | Carded | Cable jacket stripper | 1                | 6                | -          |
| <b>CJS200B</b> | 037103197072 | Boxed  | Replacement blades    | 1                | 6                | -          |

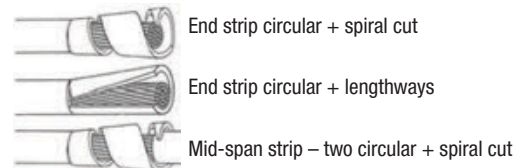
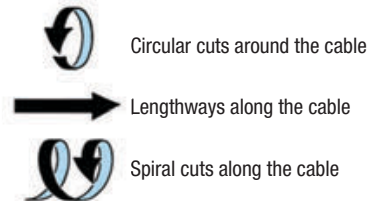
### Round Cable Stripper, .178" - 1.57" Diameter



**CJS200**

- 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

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



| Catalog Number | UPC Number   | Packed | Description          | Shelf pack |
|----------------|--------------|--------|----------------------|------------|
| <b>CJS200</b>  | 037103197085 | Carded | Round cable stripper | 3          |

### Replacement Blade for CJS200 Round Cable Stripper



**CJS200B**

- **CJS200B:** Replacement blade for CSJ200 round cable stripper

| Catalog Number | UPC Number   | Packed | Description                                       | Shelf pack |
|----------------|--------------|--------|---------------------------------------------------|------------|
| <b>CJS200B</b> | 037103197092 | Boxed  | Replacement blade for CSJ200 round cable stripper | 1          |

### Cable Tie Gun



**DCT300V**

- Die cast steel construction for durability and long life
- Flush cut with each use for professional installation
- Tension adjustement for miniature, intermediate standard, heavy duty cable ties

| Catalog Number | UPC Number   | Packed | Description                | Shelf pack |
|----------------|--------------|--------|----------------------------|------------|
| <b>DCT300V</b> | 037103184887 | Carded | Cable tie tightener/cutter | 6          |

## 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

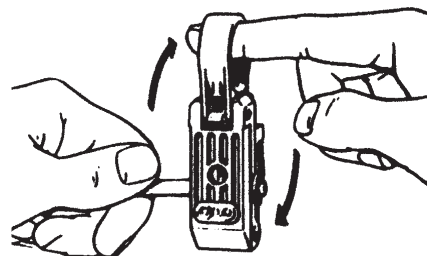
Also removes dielectric, braid and outside insulation

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



- 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 Catalog Number | UPC Number   | Type   | Packed  | Cassette catalog number & color | Cassette UPC Number | Blade spacing B (in) | Blade spacing B (mm) | Blade spacing C (in) | Blade spacing C (mm) | Cover strip length specs (B) (in) | Cover strip length specs (B) (mm) | Cover strip length specs (C) (in) | Cover strip length specs (C) (mm) | Shelf pack |
|--------------------|--------------|--------|---------|---------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------|
| <b>2CSKR</b>       | 037103489456 | 2-step | Pouched | 2CR red                         | 037103489493        | 0.24                 | 6.0                  | -                    | -                    | 7/32-1/4                          | 5.6-6.3                           | -                                 | -                                 | 1          |
| <b>2CSKB</b>       | 037103489470 | 2-step | Pouched | 2CB blue                        | 037103489616        | 0.27                 | 6.8                  | -                    | -                    | 1/4-9/32                          | 6.3-7.1                           | -                                 | -                                 | 1          |
| <b>2CSKY</b>       | 037103489463 | 2-step | Pouched | 2CY yellow                      | 037103489609        | 0.47                 | 12.0                 | -                    | -                    | 7/16-1/2                          | 11.1-12.7                         | -                                 | -                                 | 1          |
| <b>3CSKBR</b>      | 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          |
| <b>3CSKGN</b>      | 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          |
| <b>3CSKWH</b>      | 037103489975 | 3-step | Pouched | 3CWH white                      | 037103489986        | .266                 | 6.7                  | .100                 | 2.54                 | 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

| Kit Catalog Number & Color | UPC Number   | Type   | Packed | Cassette UPC Number | Blade spacing B (in) | Blade spacing B (mm) | Blade spacing C (in) | Blade spacing C (mm) | Cover strip length specs (B) (in) | Cover strip length specs (B) (mm) | Cover strip length specs (C) (in) | Cover strip length specs (C) (mm) | Shelf pack |
|----------------------------|--------------|--------|--------|---------------------|----------------------|----------------------|----------------------|----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------|
| <b>2CR red</b>             | 037103489493 | 2-step | Carded | 0.24                | 6.0                  | -                    | -                    | 7/32-1/4             | 5.6-6.3                           | -                                 | -                                 | 1                                 | 1          |
| <b>2CB blue</b>            | 037103489616 | 2-step | Carded | 0.27                | 6.8                  | -                    | -                    | 1/4-9/32             | 6.3-7.1                           | -                                 | -                                 | 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                                 | 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                                 | 1          |

## Coaxial Wire Stripper Operating Instructions

Note the parts of the stripper in Figure 1.

**Follow these steps when stripping with the Xcelite® Coaxial Cable Stripper.**

A. Adjust slide to position 4 or 5.

B. Open tool by rotating locking latch downward. (Fig. 2)

C. Mark jacket of cable for center conductor length. (If you have a simple wire-cutter, ignore this instruction. You can cut center conductor to length after the strip.)

D. Hold the tool with the handle towards you and insert coax from left into the groove position. Close and latch tool. (Figs. 3 and 4)

E. Push slide forward to appropriate start position (see Fig. 7). Make sure proper V-block is installed.

F. Rotate tool around coax about 5 times (Fig. 5). Push slide forward to next position in sequence. Rotate tool again. Then push slide forward to final position and rotate tool final 5 times.

G. Move slide back one position. Then pull cable out carefully while squeezing tool (Fig. 6).

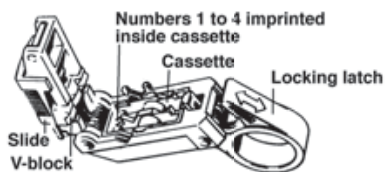


Figure 1

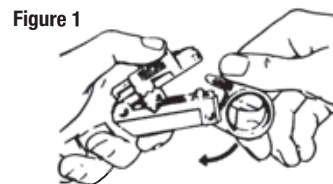


Figure 2

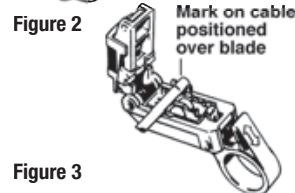


Figure 3



Figure 4



Figure 5

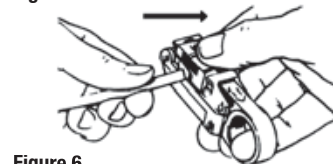


Figure 6

Recommended Settings:

| Coax             | V-block | Slide Progression |
|------------------|---------|-------------------|
| RG-58            | Blue    | 3, 2, 1           |
| RG59, 62         | Blue    | 5, 4, 3           |
| RG 174, 188, 316 | White   | 4, 3              |
| RG6              | Yellow  | 5, 4, 3           |
| Belden® 8281     | Yellow  | 5, 4              |
| RG 195, 180      | Red     | 4, 3, 2           |

**Figure 7**

V-blocks:

Select proper V-block by O.D. of wire (see Fig. 8).

| V-block  | Cable              | Cable         |       |
|----------|--------------------|---------------|-------|
| Part No. | Dia. Range         | RG #          | Color |
| VMD      | .20"-25" (5-6.4mm) | 58, 59        | Blue  |
| VSUB     | .10-12" (2.5-3mm)  | 174, 188, 316 | White |



Figure 8

Cassettes:

Each cassette contains 4 sets of cutting edges. Cassettes can be reversed each time a blade set wears out. Numbers 1 to 4 are printed inside cassette to determine usage. (see Fig. 1)

To change or reverse cassette, move locking latch in direction of arrow, then push cassette out of tool by inserting wrench through hole in bottom of tool (Fig. 9).

Note: 3-bladed cassettes can only be in positions 1 and 2.

Positions 3 and 4 would give reversed strip dimensions!

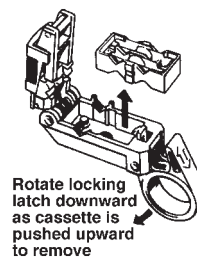


Figure 9

| Cat. No.       | Page      | Cat. No.      | Page                 | Cat. No.        | Page                           | Cat. No.         | Page                          |
|----------------|-----------|---------------|----------------------|-----------------|--------------------------------|------------------|-------------------------------|
| 10 .....       | 19        | 43HV .....    | 65                   | 992 .....       | 27                             | 99764 .....      | 30, 35, 38, 73-76, 78-81      |
| 100XNV .....   | 65        | 44CGV .....   | 68, 72               | 9920 .....      | 30, 35, 38                     | 99764BP .....    | 30, 36                        |
| 1015NV .....   | 65        | 46CG .....    | 73, 76-81            | 9920-26 .....   | 73-80                          | 9976MM .....     | 30, 38                        |
| 101S .....     | 78-81     | 46CGV .....   | 33, 68               | 9920BP .....    | 30, 36                         | 997MM .....      | 28, 39                        |
| 103S .....     | 65, 73-77 | 48CGV .....   | 68                   | 9920XTD .....   | 31, 37                         | 9977MM .....     | 30, 38                        |
| 103SNV .....   | 66        | 4MM .....     | 21                   | 9920-9926 ..... | 81                             | 998 .....        | 28, 34, 35, 39, 81            |
| 104CG .....    | 66        | 4.5MM .....   | 75                   | 9921 .....      | 30, 35, 38                     | 99811 .....      | 29, 33, 34, 35, 39, 73-81     |
| 104CGV .....   | 66        | 46CG .....    | 74, 75               | 9921BP .....    | 30, 36                         | 99811V .....     | 29                            |
| 105CG .....    | 66        | 50CG .....    | 73-80                | 9922 .....      | 30, 35, 38                     | 99820 .....      | 29, 34, 35, 73-77, 81         |
| 105CG .....    | 66        | 50CGV .....   | 64                   | 9922BP .....    | 30                             | 99821 .....      | 29, 33-35, 39, 73-81          |
| 105SCGV .....  | 66        | 51NCG .....   | 33, 64, 72-81        | 9923 .....      | 30, 35, 38                     | 99821V .....     | 29                            |
| 10M .....      | 21, 73-80 | 51NCGV .....  | 64                   | 9923BP .....    | 30, 36                         | 99822 .....      | 29, 33, 35, 39, 73-81         |
| 10MM .....     | 21, 75    | 53CG .....    | 73-81                | 9924 .....      | 30, 35, 38                     | 99822V .....     | 29                            |
| 10V .....      | 19        | 52NCGV .....  | 64                   | 9924BP .....    | 30, 36                         | 99831 .....      | 29                            |
| 11 .....       | 19        | 54CG .....    | 73-80                | 9925 .....      | 30, 35, 38                     | 99832 .....      | 29                            |
| 11MM .....     | 75        | 54CGV .....   | 62                   | 99250 .....     | 29, 35, 39, 73-81              | 998M .....       | 28, 35                        |
| 1178D .....    | 60        | 55MM .....    | 22                   | 99250V .....    | 29                             | 998MM .....      | 28, 39                        |
| 1178M .....    | 60        | 55NCG .....   | 63, 78-81            | 9925BP .....    | 30, 36                         | 998XTD .....     | 31                            |
| 12 .....       | 19        | 55NCGV .....  | 63                   | 9925XTD .....   | 31, 37                         | 999 .....        | 28, 35, 39                    |
| 127TB .....    | 22        | 57CG .....    | 73-81                | 9926 .....      | 30, 35, 38                     | 99964 .....      | 30, 35, 38, 73, 74, 76, 78-81 |
| 134CG .....    | 62        | 57CGV .....   | 64                   | 9926BP .....    | 30, 36                         | 99964BP .....    | 30, 36                        |
| 13MM .....     | 22, 75    | 59NCG .....   | 64, 73-80            | 9927XTD .....   | 31, 37                         | 999MM .....      | 28                            |
| 14 .....       | 19        | 5MM .....     | 21                   | 993 .....       | 27, 33                         | 99K .....        | 34                            |
| 147TB .....    | 22        | 6 .....       | 19                   | 9930XTD .....   | 31, 27                         | 99MP .....       | 35                            |
| 157 .....      | 22        | 6MM .....     | 75                   | 99312 .....     | 29, 35, 73-77, 81              | 99MPK .....      | 35                            |
| 170D .....     | 60        | 600 .....     | 18, 73-80            | 9938 .....      | 31, 33, 35, 73-81              | 99PA .....       | 32, 35                        |
| 170M .....     | 60        | 600V .....    | 18                   | 994 .....       | 27, 81                         | 99PA50 .....     | 35                            |
| 175D .....     | 60        | 64CG .....    | 81                   | 994MM .....     | 28                             | 99PAV .....      | 32                            |
| 175M .....     | 60        | 64CGV .....   | 63                   | 994R .....      | 27, 73-80                      | 99PR .....       | 34                            |
| 177 .....      | 22        | 66NCG .....   | 63, 73-77            | 994V .....      | 27                             | 99PS40 .....     | 38                            |
| 2178D .....    | 60        | 66NCGV .....  | 63                   | 995ESD .....    | 27                             | 99PS40BP .....   | 36                            |
| 2178M .....    | 60        | 7MM .....     | 21                   | 995MM .....     | 28                             | 99PS40BPV .....  | 36                            |
| 25 .....       | 16        | 8 .....       | 19                   | 9955MM .....    | 28                             | 99PS40V .....    | 38                            |
| 2CB .....      | 93        | 8M .....      | 21, 73-80            | 9955MMM .....   | 28                             | 99PS41MM .....   | 38                            |
| 2CR .....      | 93        | 8MM .....     | 21, 75               | 996 .....       | 28, 31, 32, 33, 34, 35, 39, 81 | 99PS41MMBP ..... | 37                            |
| 2CSKB .....    | 92        | 86NCG .....   | 67, 73-81            | 9961 .....      | 31, 35, 40                     | 99PS50 .....     | 39                            |
| 2CSKCATV ..... | 90        | 86NCGV .....  | 67                   | 9961-69 .....   | 73-77                          | 99PS50V .....    | 39                            |
| 2CSKR .....    | 92        | 9MM .....     | 75                   | 996-12 .....    | 78-80                          | 99PS51MM .....   | 39                            |
| 2CSKY .....    | 92        | 99125 .....   | 31-38                | 9962 .....      | 31, 35, 40                     | 99PS60 .....     | 40                            |
| 32H .....      | 65        | 9910 .....    | 28, 35, 39, 81       | 9963 .....      | 31, 35, 40                     | 99S10 .....      | 28, 33, 35                    |
| 33HV .....     | 65        | 9910M .....   | 28                   | 9964 .....      | 31, 35, 40                     | 99S12 .....      | 28, 33, 35                    |
| 378D .....     | 61        | 9910MM .....  | 28                   | 9966 .....      | 31, 35, 40                     | 99S8 .....       | 28, 33, 35                    |
| 378M .....     | 61        | 9910XTD ..... | 31, 34, 37           | 9967 .....      | 31, 35, 40                     | 99SM .....       | 33                            |
| 378SMD .....   | 61        | 991 .....     | 27, 33-37, 39, 73-81 | 9969 .....      | 31, 35, 40                     | 99SMK .....      | 33                            |
| 378SMM .....   | 61        | 9911 .....    | 28, 35, 39, 81       | 996MM .....     | 28, 39                         | 99SMX .....      | 33                            |
| 3CBR .....     | 93        | 9911MM .....  | 28                   | 996XTD .....    | 31                             | 99SPC .....      | 34                            |
| 3CGN .....     | 93        | 9912 .....    | 28, 35, 39, 81       | 997 .....       | 28, 35, 39                     | 99X10 .....      | 32, 33, 73-77                 |
| 3CSKBR .....   | 92        | 99125 .....   | 29, 73-77, 81        | 9971MM .....    | 30, 38                         | 99X10V .....     | 32                            |
| 3CSKGN .....   | 92        | 9914 .....    | 28, 35, 81           | 9971-9977 ..... | 75                             | 99X5 .....       | 32, 35-40, 73-75, 77-79, 81   |
| 3CSKWH .....   | 92        | 9915XTD ..... | 31, 34, 37           | 9972MM .....    | 30, 38                         | 99XTD7 .....     | 37                            |
| 413MM .....    | 23        | 9916 .....    | 23, 34, 35, 38, 81   | 9973MM .....    | 30, 38                         | BG260SW .....    | 55                            |
| 42H .....      | 73-80     | 991R .....    | 27, 73-77            | 9974MM .....    | 30, 38                         | C1K .....        | 58                            |
| 43H .....      | 81        | 991V .....    | 27                   | 9975MM .....    | 30, 38                         | C2K .....        | 58                            |

| Cat. No.     | Page              | Cat. No.       | Page               | Cat. No.       | Page                   | Cat. No.      | Page      |
|--------------|-------------------|----------------|--------------------|----------------|------------------------|---------------|-----------|
| CJS100.....  | 90                | HS18.....      | 20, 73-77          | LN964.....     | 14                     | PS121MM.....  | 24        |
| CJS100B..... | 90                | HS18V.....     | 20                 | LN964BP.....   | 15                     | PS130.....    | 25        |
| CJS200.....  | 90                | HS6.....       | 20, 73, 74, 76, 77 | LN9BP.....     | 16                     | PS130V.....   | 25        |
| CJS200B..... | 91                | HS618.....     | 23                 | M60.....       | 26, 73-75              | PS88.....     | 23        |
| CK20.....    | 17                | HS7.....       | 20                 | M60V.....      | 26                     | PS88V.....    | 23        |
| CK23.....    | 17                | HS8.....       | 20, 73, 74, 76, 77 | MAC2210.....   | 88                     | PS89.....     | 25        |
| CK3.....     | 18                | HS8V.....      | 20                 | MIC3020BL..... | 88                     | PS89V.....    | 25        |
| CN255G.....  | 51                | HS9.....       | 20                 | MICPZD3.....   | 88                     | PS90MM.....   | 26        |
| CN255V.....  | 51                | HS9V.....      | 20                 | MS543JV.....   | 42, 45, 58             | R1410.....    | 9         |
| CN54G.....   | 54                | K22.....       | 68, 73-81          | MS545JV.....   | 42, 46, 58             | R144.....     | 9, 72-77  |
| CN55G.....   | 54                | K22V.....      | 68                 | MS545V.....    | 42, 46                 | R144V.....    | 9         |
| CN7776.....  | 55                | L10.....       | 20                 | MS549JV.....   | 42, 44                 | R146.....     | 9, 73-77  |
| CR1.....     | 17                | L10M.....      | 20                 | MS54J.....     | 44, 58                 | R146V.....    | 9         |
| CR1V.....    | 17                | L10MV.....     | 21                 | MS54V.....     | 42, 44, 58             | R148.....     | 9         |
| CR2.....     | 17                | L11.....       | 20                 | NN542.....     | 55                     | R181.....     | 8, 73-80  |
| CR2V.....    | 17                | L12.....       | 20                 | NN54GV.....    | 56                     | R1810.....    | 9         |
| D100.....    | 82, 83            | L4G.....       | 55                 | NN54V.....     | 52, 56                 | R181V.....    | 8         |
| D101.....    | 83, 84            | L4V.....       | 55                 | NN55G.....     | 56                     | R182.....     | 9         |
| D102.....    | 84                | L8.....        | 20                 | NN55V.....     | 56                     | R182V.....    | 9         |
| D104.....    | 84                | L8M.....       | 21                 | NN7776G.....   | 55                     | R183.....     | 8, 9      |
| D105.....    | 85                | L8MV.....      | 21                 | NN7776V.....   | 55                     | R183V.....    | 8, 9      |
| D106.....    | 85                | LC665J.....    | 42, 50             | P1.....        | 23, 25                 | R184.....     | 9, 72-80  |
| D107.....    | 85                | LN11.....      | 15                 | P10.....       | 24, 25, 73, 74, 76, 77 | R184V.....    | 9         |
| D109.....    | 86                | LN15MM.....    | 14                 | P11.....       | 73, 74, 76, 77         | R186.....     | 9         |
| D2210.....   | 88                | LN20.....      | 14                 | P12.....       | 73, 74, 76, 77         | R186V.....    | 9         |
| DCT300V..... | 91                | LN20BP.....    | 15                 | P12S.....      | 11, 72                 | R188.....     | 9         |
| DN54GV.....  | 55, 58            | LN21.....      | 14                 | P12SV.....     | 11                     | R188V.....    | 9         |
| EC54J.....   | 42, 50, 58        | LN21BP.....    | 15                 | P18.....       | 73-77                  | R31610.....   | 9         |
| ECP000.....  | 83                | LN21V.....     | 14                 | P19.....       | 25, 73-77              | R3163.....    | 9         |
| ECP100.....  | 82                | LN22.....      | 14                 | P20.....       | 25                     | R3164.....    | 9, 73-80  |
| ECP101.....  | 83                | LN225.....     | 51                 | P22.....       | 25                     | R3164V.....   | 9         |
| ECP112.....  | 83                | LN22BP.....    | 15                 | P23.....       | 25                     | R3166.....    | 9, 74     |
| EGA54J.....  | 42, 50            | LN22V.....     | 14                 | P3.....        | 73, 74, 76, 77         | R3166I.....   | 73, 75-77 |
| ELN54.....   | 52                | LN23.....      | 14                 | P3MM.....      | 24, 75                 | R3166V.....   | 9         |
| ELN54G.....  | 52                | LN23BP.....    | 15                 | P3.5MM.....    | 75                     | R3168.....    | 9         |
| EMS54.....   | 42, 45            | LN23V.....     | 14                 | P3321.....     | 23                     | R3322.....    | 8         |
| EMS543J..... | 42, 46            | LN25.....      | 14                 | P35MM.....     | 24                     | R3322V.....   | 8         |
| EMS545J..... | 47                | LN25BP.....    | 15                 | P4.....        | 24, 73, 74, 76, 77     | R3323.....    | 73-80     |
| EMS549J..... | 42, 45            | LN25MM.....    | 14                 | P4MM.....      | 75                     | R3323V.....   | 8         |
| ENN54.....   | 56                | LN28BP.....    | 15                 | P4.5MM.....    | 75                     | R3324.....    | 8         |
| FSD1.....    | 18                | LN2MM.....     | 14                 | P5.....        | 24, 73, 74, 76, 77     | R3324V.....   | 8         |
| FSD1V.....   | 18                | LN3MM.....     | 14                 | P5MM.....      | 75                     | R388.....     | 9         |
| GA54JV.....  | 42, 49, 58        | LN4MM.....     | 14                 | P5.5MM.....    | 75                     | R5164.....    | 9         |
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