



# Klein Tools New Zealand Catalogue

[www.kleintoolsnz.com](http://www.kleintoolsnz.com)



Wattmaster

Alco



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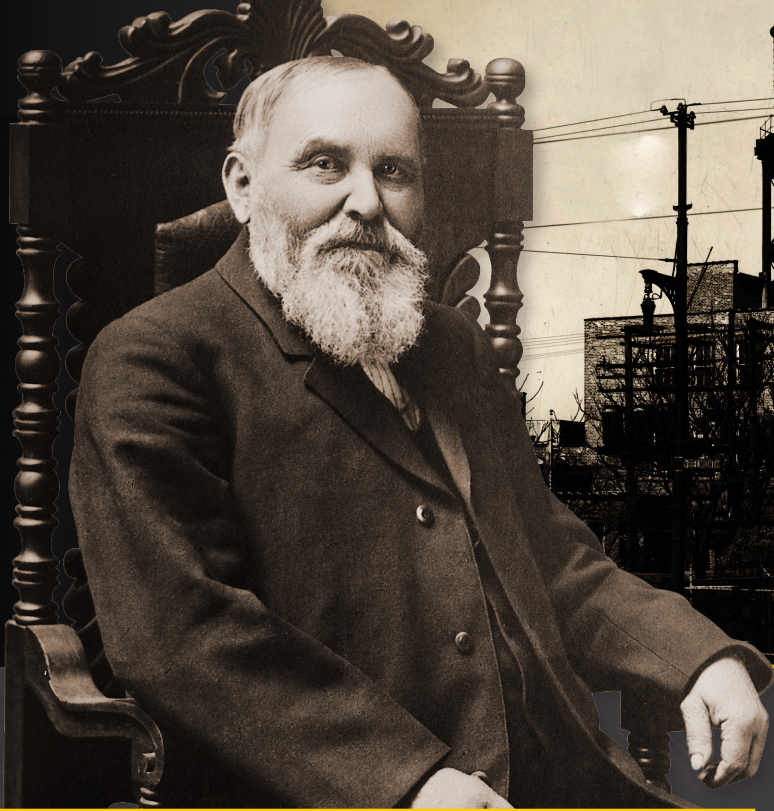


**KLEIN®  
TOOLS**

**Alco**

**Wattmaster**

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# COMPANY HISTORY

**K**lein Tools was founded in 1857 by an industrious German immigrant, Mathias Klein, who began in the hand tool business when a broken side-cutting pliers was brought to his forge shop by a telegraph

lineman. Mathias repaired the pliers by forging and finishing a new half for the tool and riveting it to the old half. Soon the lineman returned because the other original half of the pliers had broken and needed replacement. Mathias forged and finished the second half of the pliers and riveted it to the other replacement half – creating the first complete Klein pliers.

To this day, Klein Tools is proudly owned and managed by the Klein family. Over 160 years of hard work and dedication has earned Klein the reputation of supplying only the finest quality products for users of professional hand tools, Test and Measurement and occupational protective equipment.

**Klein Tools continues to expand domestically and internationally to provide quality products to professionals all over the world.**



# Industrial Pliers and Tools

---

Klein specializes in the making of the world's finest pliers... Pliers that professionals have trusted for more than 160 years. Klein pliers feel right and work right. They are job-matched for every kind of work you do; designed and built with exceptional quality standards in a tradition that dates back to 1857.



For Professionals...  
Since 1857™

## Introduction – Pliers

### Klein Quality

Klein pliers are made of the finest U.S. steel alloy. Forged, precision machined, hardened, and carefully tempered for maximum strength, Klein pliers provide exceptional performance and durability.

All pliers mating surfaces and dimensions are precision machined and hot riveted for uniformly smooth opening and closing action. Cutting knives are manufactured for long-lasting edges and are designed to perfectly align and meet according to the way each is used.

### Using Pliers

A professional knows all the rules about using pliers, but a review of the following points may help you recall any you may have forgotten.

- 1. Never use pliers to do another tool's job.** Pliers should not be used as a hammer or pry tool or a wrench. Using pliers instead of the proper tools risks damaging the work, damaging yourself, and losing time.
- 2. Never push pliers beyond their capacity.** Bending stiff wire with light pliers or the tip of needle-nose pliers can spring or break them. Use a stronger, blunt-nose pliers. When you need greater leverage, use pliers with greater leverage. Don't extend the length of the pliers handles. Bolts should be cut with a bolt cutter, and large cable with a cable cutter.
- 3. Never expose pliers to excessive heat.** Direct flame on metal can ruin the tool. Cutting pliers are especially vulnerable to high, direct heat.
- 4. Never cut hardened wire with ordinary pliers.** Pliers should not be used for cutting hardened wire unless they are specifically recommended for this use.
- 5. Never rock pliers from side to side when cutting wire...and never bend the wire back and forth against the cutting knives.** Either practice can dull or nick the cutting

Side-cutting and long-nose pliers with side cutters have knives that meet at the hinge first and then meet at least one-half of the knife length. Diagonal-cutting pliers meet at the tip first and then meet at least one-half of the knife length.

These precise knife-closing designs increase knife life and facilitate sharpening.

Klein pliers are individually adjusted to meet performance standards far exceeding application requirements – ensuring that nothing less than outstanding quality ever carries the Klein name.

edges. Cut wire at a right angle only. If it won't cut readily, the knives may need sharpening, or you may need pliers with greater leverage.

- 6. Never cut any wire or metal unless your eyes are protected.** Goggles or other protective devices are an absolute must. Don't take shortcuts. Operate safely...The professional way.
- 7. Never cut any wire or metal unless your fellow workers' eyes are also protected.** The wire that doesn't get you may get someone else. Think about the "other guy" as well as yourself.
- 8. Never depend on plastic-dipped handles to insulate you from electricity.** Plastic-dipped and Journeyman™ handles are intended for comfort and a firmer grip only. They are not intended for protection against electric shock. Never use any pliers or cutting tools on live electrical circuits. Only use insulated tools that are marked with the official international 1000-volt rating symbol if there is any chance that the tool will make contact with an energized source.

### Pliers Catalog Number Prefixes/Suffixes

"D" (Prefix) – Indicates the pliers have plastic-dipped handles for comfort, NOT for protection against electrical shock.

"HD" (Prefix) – Indicates the pliers have heavy-duty plastic-dipped handles to provide an extra level of user comfort, NOT for protection against electrical shock.

"J" (Prefix) – Indicates the pliers have State-of-the-art dual material molded Journeyman™ handles for a softer, more comfortable grip on the outer surface and a harder, more durable grip on the inner surface and handle ends, NOT for protection against electrical shock.

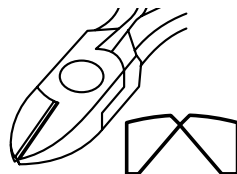
"C" (Suffix) – Indicates the pliers have a coil spring in the handles for self-opening action.

### Pliers Cutting Edges

Knife-edge descriptions refer to the angle of the outside cutting edges of the knives when fully closed.

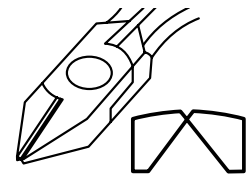
#### Standard Cutting Edges

Cuts hard wire. Found on all Klein side-cutters, long-nose, and on most diagonal-cutting pliers.



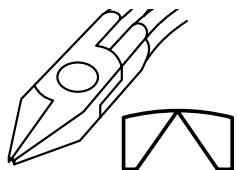
#### Semi-Flush Cutting Edges

Closely cuts medium wire. Found on select diagonal-cutting pliers.



#### Full-Flush Cutting Edges

Close, flat cutting of soft wire only. Found on select diagonal-cutting pliers.



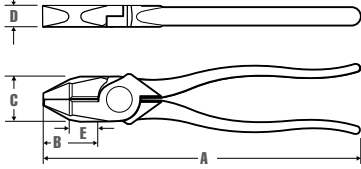
## Introduction – Pliers

### Pliers Dimensions

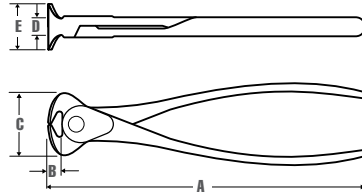
All Klein pliers are listed with necessary dimensions in both inches and millimeters. The following drawings of six basic types of pliers are keyed by letter to the dimensions given for each pliers listed. All dimensions are subject to commercial tolerances.

<b>A</b> – Overall Length	<b>D</b> – Jaw Thickness
<b>B</b> – Jaw Length	<b>E</b> – Knife Length
<b>C</b> – Jaw Width	<b>F</b> – Point Thickness

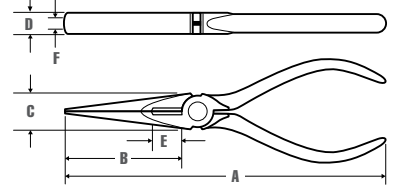
#### 1. Side-Cutting Pliers



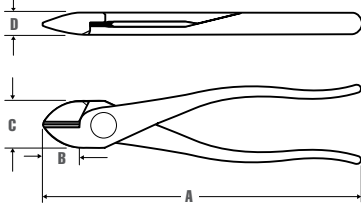
#### 3. End Cutting Pliers



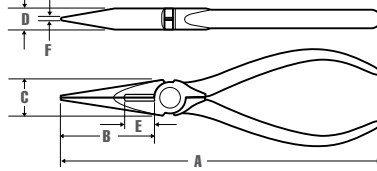
#### 5. Flat-Nose and Duck-Bill Pliers



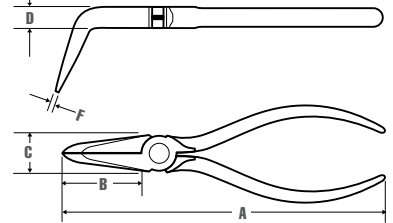
#### 2. Diagonal-Cutting Pliers



#### 4. Long-Nose Pliers



#### 6. Curved-Nose Pliers



Pliers dimensions shown are accurate within accepted commercial tolerances, which allow slight variations that normally result from forging and grinding operations.

**JOURNEYMAN**™



### State-of-the-art dual material molding process

Innovative dual material grips are more comfortable and last longer than other handles.



AVAILABLE ON KLEIN SIDE-CUTTING PLIERS | DIAGONAL-CUTTING PLIERS | LONG-NOSE PLIERS | SNIPS



## Side-Cutting Pliers



**Plastic-dipped handles** for comfort and ease of identification

**"Handform" handles** for full gripping and cutting power

**Precision-hardened plier head** for on-the-job toughness

**Unique handle tempering** helps absorb the "snap" when cutting wire

**Hot-riveted joint** ensures smooth action and no handle wobble

**Induction hardened cutting knives** for long life

**Sure-gripping cross-hatched knurled jaws**



**FORGED STEEL**  
from Klein's US-made, proprietary blend

### High-Leverage Side-Cutting Pliers

Includes core side-cutting features plus:

- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other pliers designs
- Combination polished and black-oxide finish



CAT. NO: D213-9NE

Refer to the insulated section for insulated pliers.

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Color	Handle Finish	Weight
D213-9NE	238 mm	41 mm	32 mm	16 mm	20 mm	Dark Blue	Plastic Dipped	0.5 kg
<b>Pliers with heavy-duty cutting knives designed to cut ACSR, screws, nails and most hardened wire</b>								
D2000-9NE	238 mm	41 mm	32 mm	16 mm	20 mm	Light Blue	Plastic-Dipped	0.5 kg

### High-Leverage Side-Cutting Pliers - Connector Crimping

Includes core side-cutting features plus:

- Crimping die behind hinge for superior leverage crimping non-insulated connectors, lugs and terminals
- Cleanly strips 10 and 12 solid AWG wire and 12 and 14 AWG stranded wire (Cat. No. J213-9NECRN)
- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other pliers designs



CAT. NO: D213-9NE-CR



WIRE STRIPPING HEAD  
J213-9NECRN



Plastic-Dipped



JOURNEYMAN™  
Dual-Material

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Color	Handle Finish	Weight
D213-9NE-CR	238 mm	41 mm	32 mm	16 mm	20 mm	Yellow	Plastic-Dipped	0.5 kg
J213-9NECR	241 mm	41 mm	32 mm	16 mm	20 mm	Yellow/Black	Journeyman™	0.5 kg
J213-9NECRN	241 mm	41 mm	32 mm	16 mm	20 mm	Yellow/Black	Journeyman™	0.5 kg
<b>Pliers with heavy-duty cutting knives designed to cut ACSR, screws, nails and most hardened wire</b>								
D2000-9NECR	238 mm	41 mm	32 mm	16 mm	20 mm	Light Blue	Plastic-Dipped	0.5 kg
J2000-9NECR	241 mm	41 mm	32 mm	16 mm	20 mm	Light Blue/Black	Journeyman™	0.5 kg

See page 186 for additional information on warnings.



## Side-Cutting Pliers

### High-Leverage Side-Cutting Pliers - Lineman's Bolt-Thread Holding

Includes core side-cutting features plus:

- Hinge opening holds and cleans 16 mm pole line and hardware bolts or threaded rods
- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other pliers designs



CAT. NO: D2000-9NETH  
NZ REF: KL1405

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Color	Handle Finish	Weight
<b>Pliers with heavy-duty cutting knives designed to cut ACSR, screws, nails and most hardened wire</b>								
D2000-9NETH	238 mm	41 mm	32 mm	16 mm	20 mm	Light Blue	Plastic-Dipped	0.5 kg

### High-Leverage Universal Combination Pliers

Includes core side-cutting features plus:

- Crimping die behind hinge for superior leverage crimping non-insulated connectors, lugs and terminals
- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other pliers designs
- Toothed pipe-grip for greater gripping power



CAT. NO: 12098



Plastic-Dipped



JOURNEYMAN™  
Dual-Material

Refer to the insulated section for insulated pliers.

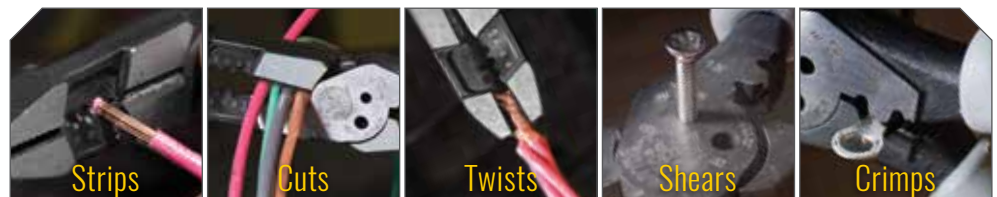
Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Color	Handle Finish	Weight
12098	219 mm	45 mm	26 mm	14 mm	19 mm	Dark Blue	Plastic-Dipped	0.33 kg
J12098 (KL4665)	222 mm	45 mm	26 mm	14 mm	19 mm	Dark Blue/Black	Journeyman™	0.37 kg

### Hybrid Pliers

- Multi-purpose tool saves time and lessens the tool count
- Strips 10-14 AWG solid and 12-16 stranded wire
- High-leverage design for more cutting power
- Wide knurled head easily grabs and twists wires
- 6-32 and 8-32 bolt shearing
- Crimps non-insulated connectors, lugs and terminals
- Full length, induction hardened cutting knives for hard wire



CAT. NO: J215-8CR  
NZ REF: KL4668



Cat. No.	Strips and Cuts	Crimps	Shears	Overall Length	Knife Length	Handle Color	Handle Finish	Weight
J215-8CR	10 - 14 AWG Solid, 12 - 16 AWG Stranded	10 - 22 AWG	6-32 and 8-32	222.3 mm	19 mm	Dark Blue/Black	Journeyman™	0.37 kg







## Diagonal-Cutting Pliers

**Plastic-dipped handles**  
for comfort and ease of identification

**Hot-riveted joint** ensures smooth action  
and no handle wobble

**Induction-hardened**  
cutting knives for long life

**Short jaws** and beveled  
cutting edges permit  
close cutting of wire



### FORGED STEEL

from Klein's US-made, proprietary blend

## High-Leverage Diagonal-Cutting Pliers

Includes core diagonal-cutting features plus:

- High-leverage design. Rivet is closer to the cutting edge for 36% greater cutting power than other pliers design



CAT. NO: D2000-28



Plastic-Dipped



JOURNEYMAN™  
Dual-Material

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Cutting Knives	Handle Color	Handle Finish	Weight
D228-8 (KL1510)	205 mm	21 mm	30 mm	21 mm	Standard	Red	Plastic Dipped	0.27 kg
J228-8	206 mm	21 mm	30 mm	21 mm	Standard	Red/Black	Journeyman™	0.30 kg
<b>Pliers with heavy-duty cutting knives designed to cut ACSR, screws, nails and most hardened wire</b>								
D2000-28 (KL1520)	205 mm	21 mm	30 mm	21 mm	Standard	Light Blue	Plastic Dipped	0.27 kg
J2000-28	206 mm	21 mm	30 mm	21 mm	Standard	Light Blue/Black	Journeyman™	0.30 kg

## High-Leverage Diagonal-Cutting Pliers - Angled Head

Includes core diagonal-cutting features plus:

- Angled head design for easy work in confined spaces
- High-leverage design. Rivet is closer to the cutting edge for 36% greater cutting and gripping power than other plier designs



ANGLED HEAD  
PROFILE



CAT. NO: D2000-49



Plastic-Dipped



JOURNEYMAN™  
Dual-Material

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Cutting Knives	Handle Color	Handle Finish	Weight
D248-8 (KL1690)	205 mm	21 mm	30 mm	21 mm	Standard	Red	Plastic-Dipped	0.27 kg
<b>Pliers with heavy-duty cutting knives designed to cut ACSR, screws, nails and most hardened wire</b>								
D2000-49	229 mm	21 mm	30 mm	21 mm	Standard	Yellow	Plastic Dipped	0.29 kg
D2000-48 (KL1700)	203 mm	21 mm	30 mm	21 mm	Standard	Blue	Plastic Dipped	0.27 kg
J2000-48 (KL1705)	206 mm	21 mm	30 mm	21 mm	Standard	Light Blue/Black	Journeyman™	0.28 kg

See page 186 for additional information on warnings.



## Diagonal-Cutting Pliers

### High-Leverage Heavy-Duty Diagonal-Cutting Pliers

Includes core diagonal-cutting features plus:

- Extra long cutting blades provide greater cutting ability
- Beefier, more reinforced head lasts longer than standard diagonal-cutters
- 2000 series heavy-duty cutting knives cut ACSR, screws, nails and most hardened wire
- Angled blade design for easier access to cut screws and bolts
- High-leverage design has 46% more cutting power
- Dual-material handles provide better grip and added comfort



CAT. NO: J2000-59

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Cutting Knives	Handle Color	Handle Finish	Weight
J2000-59	229 mm	32 mm	31 mm	16 mm	Standard	Blue/Black	Journeyman™	0.5 kg

### Heavy-Duty Diagonal-Cutting Pliers - Tapered Nose

Includes core diagonal-cutting features plus:

- Heavier design for all-purpose use
- Tapered nose for easy working in confined areas



CAT. NO: D252-6  
NZ REF: KL1720

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Cutting Knives	Handle Color	Handle Finish	Weight
D252-6	156 mm	21 mm	20 mm	21 mm	Standard	Red	Plastic-Dipped	0.17 kg

### Standard Diagonal-Cutting Pliers

Includes core diagonal-cutting features plus:

- Tapered nose for easy working in confined areas and close tip cutting
- Trims plastic or printed circuit boards (Cat. D210-6C)



CAT. NO: D245-5  
NZ REF: KL1630

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Cutting Knives	Handle Color	Handle Finish	Weight
D245-5	129 mm	18 mm	14 mm	18 mm	Standard	Red	Plastic-Dipped	0.09 kg
D210-6C	156 mm	20 mm	18 mm	21 mm	Semi-Flush	Red	Plastic-Dipped	0.13 kg

## Diagonal-Cutting Electronics Pliers

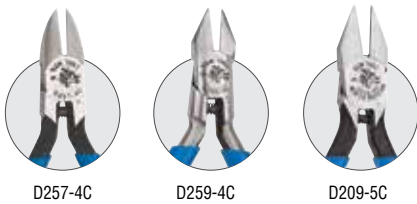
### Midget Diagonal-Cutting Pliers

Includes core diagonal-cutting features plus:

- Sharp pointed nose for precise tip cutting
- Tapered nose for easy working in confined areas and close tip cutting (Cat No. D295-4C, & D257-4C)
- Spring-loaded for self-opening action (Not available on Cat. No. D257-4C)
- Narrow jaw and hinge for delicate work in tight areas (Cat. No. D259-4C)



CAT. NO: D257-4C



D257-4C

D259-4C

D209-5C

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Cutting Knives	Handle Color	Handle Finish	Weight
D209-5C	129 mm	18 mm	14 mm	18 mm	Semi-Flush	Light Blue	Plastic-Dipped	0.09 kg
D259-4C (KL1810)	108 mm	13 mm	10 mm	13 mm	Flush	Light Blue	Plastic-Dipped	0.05 kg
D257-4C (KL1780)	108 mm	13 mm	11 mm	13 mm	Semi-Flush	Light Blue	Plastic-Dipped	0.05 kg



## Diagonal-Cutting Electronics Pliers

### Precision Flush Cutter

- Shears wire up to 16 AWG producing a flat, flush cut
- Shear cutting greatly reduces cutting effort and minimizes fly-off
- Molded flared grips for greater tool control
- Steel return spring for increased comfort during repetitive cutting
- Ultra slim profile increases access in confined areas
- Heat treated for increased durability



CAT. NO: D275-5  
NZ REF: KL1840

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Cutting Knives	Handle Color	Handle Finish	Weight
D275-5	127 mm	11 mm	7 mm	2 mm	Flush	Red	Plastic	0.05 kg

## Long-Nose Pliers

**Plastic-dipped handles**  
for comfort and ease of identification



**FORGED STEEL**  
from Klein's US-made, proprietary blend

**Hot-riveted joint**  
ensures smooth action  
and no handle wobble

**Induction-hardened**  
cutting knives for long life

**Slim head design**  
for working in  
confined areas

### Standard Long-Nose Pliers - Side-Cutting

Includes core long-nose features plus:

- Induction-hardened, long-lasting cutting knives
- Knurled jaws for sure wrapping and looping
- Curved handles provide greater tool control



CAT. NO: D203-6



Plastic-Dipped



JOURNEYMAN™  
Dual-Material

Refer to the insulated section for insulated pliers.

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Point Diameter	Knife Length	Handle Color	Handle Finish	Weight
D203-6 (KL1240)	169 mm	48 mm	18 mm	10 mm	2 mm	13 mm	Yellow	Plastic-Dipped	0.12 kg
D203-7 (KL1270)	183 mm	62 mm	18 mm	10 mm	2 mm	13 mm	Yellow	Plastic-Dipped	0.13 kg
J203-6	172 mm	48 mm	18 mm	10 mm	2 mm	13 mm	Yellow/Black	Journeyman™	0.14 kg

See page 186 for additional information on warnings.

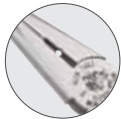


## Long-Nose Pliers

### Heavy-Duty Long-Nose Pliers - Side-Cutting

Includes core long-nose features plus:

- Induction-hardened cutting knives for long life
- Heavier design for greater cutting power
- Extended handles provide added reach and greater leverage



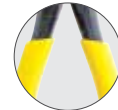
12 AWG WIRE STRIPPING  
D203-8N

Refer to the insulated section for insulated pliers.

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Point Diameter	Knife Length	Handle Color	Handle Finish	Weight
D203-8	214 mm	59 mm	25 mm	13 mm	3 mm	16 mm	Yellow	Plastic-Dipped	0.27 kg
D203-8N	214 mm	59 mm	25 mm	13 mm	3 mm	16 mm	Yellow	Plastic-Dipped	0.27 kg



CAT. NO: D203-8  
NZ REF: KL1300



Plastic-Dipped



JOURNEYMAN™  
Dual-Material

### All-Purpose Pliers

- Strips 8-16 AWG solid and 10-18 AWG stranded wire
- Induction-hardened cutting knives for increased wire cutting performance, including hard wire
- Long nose for grabbing and looping wire
- 6-32 and 8-32 screw shearing



CAT. NO: J206-8C  
NZ REF: KL1305

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Point Diameter	Knife Length	Handle Color	Handle Finish	Weight
J206-8C	219 mm	56 mm	25 mm	13 mm	3 mm	13 mm	Yellow/Black	Journeyman™	0.27 kg

### Curved Long-Nose Pliers

Includes core long-nose features plus:

- 70° bent nose for maximum work visibility in confined areas
- Knurled jaws for sure wrapping and looping
- Curved handles provide greater tool control



CAT. NO: D302-6

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Point Diameter	Handle Color	Handle Finish	Weight
D302-6	162 mm	38 mm	18 mm	10 mm	2 mm	Yellow	Plastic Dipped	0.14 kg

## Crimping Tools

### Crimping/Cutting Tools

- Marked for insulated and non-insulated solderless terminals and connectors
- Tapered nose design for working in confined areas
- Specially hardened wire cutter in nose
- Hot-riveted joint for smooth action and no handle wobble



CAT. NO: J1005

Cat. No.	Handle Finish	Crimps	Overall Length	Handle Color	Weight
J1005	Journeyman™	10 - 22 AWG	248 mm	Red/Black	0.84 lb (0.38 kg)



## Pump Pliers

### Klaw™ Pump Pliers

- Compact, narrow design for easy work in small or hard to reach spaces
- Gripping surfaces with specially hardened teeth for reduced wear and positive gripping
- Extended grips for added comfort



CAT. NO: D504-7

Cat. No.	Overall Length	Jaw Capacity	Handle Color	Handle Finish	Weight
D504-7	187 mm	35 mm	Yellow	Plastic-Dipped	0.15 kg
D504-12	305 mm	70 mm	Yellow	Plastic-Dipped	0.6 kg

### Pump Pliers

- Secure tongue and groove design for non-slip grip - even with heavy pressure
- Wide range of versatile jaw positions
- Quick adjust rivet allows one handed, fast and easy adjustment of plier jaws



CAT. NO: D502-10  
NZ REF: KL2230

Cat. No.	Overall Length	Jaw Capacity	Handle Color	Handle Finish	Weight
D502-10	254 mm	45 mm	Yellow	Plastic-Dipped	0.44 kg



See page 186 for additional information on warnings.



# HEAVY-DUTY FORGED STEEL WIRE STRIPPERS

The durability of a plier with the sharpness and precision of a wire stripper.

**4X STRONGER**  
Compared to traditional Klein wire strippers

**KLEIN-KURVE™**  
comfort grip handles for reduced hand fatigue



**Twists up to 3 Wires**

## Klein-Kurve® Wire Stripper / Cutter / Crimper Multi Tool

- Wire Stripper with six stripping holes for 8-18 AWG solid and 10-20 AWG stranded wire
- Multi Tool's side cut design features longer knives for more cutting
- Crimps non-insulated connectors, lugs and terminals for 10-20 AWG stranded wire
- Knurled jaw for twisting, grabbing and looping wire
- Twists up to three wires at a time
- High leverage design for improved performance
- Klein-Kurve® comfort grip handles for reduced hand fatigue
- Induction hardened cutting knives for long life
- Hot-riveted joint ensures smooth action and no handle wobble



CAT. NO: K12065CR

Cat. No.	Strips and Cuts	Screw Shearing	Crimping Capacity	Overall Length	Handle Color	Weight
K12065CR	8-18 AWG Solid, 10-20 AWG Stranded	6-32 and 8-32	10-20 AWG Stranded	211 mm	Blue/White	0.29 kg

## Long-Nose Wire Stripper/Crimper

- Crimps insulated and non-insulated connectors
- Tip designed to grab, pull and bend the smallest of wires
- Reinforced head (patent pending design) reduces flex
- Optimized for ideal leverage when stripping and crimping
- Precision shear-type cutting blades for easier cutting
- Do no use to cut steel wire patent-pending
- Patent US D827,403



CAT. NO: 1009

Cat. No.	Strips and Cuts	Bolt Size	Crimping Capacity	Overall Length	Handle Color	Weight
1009	10 - 20 AWG Solid; 12 - 22 AWG Stranded	6 - 32 and 8 - 32	10 - 22 AWG	197 mm	Gray/Yellow	0.15 kg
1019	10 - 26 AWG Solid; 12 - 28 AWG Stranded	6 - 32 and 8 - 32	10 - 22 AWG insulated and non-insulated terminals, B connectors, Scotchlok® IDC connectors	197 mm	Gray/Red	0.15 kg



## Wire Strippers/Cutters

### Wire Strippers/Cutters

- Strips six standard wire sizes without nicking wire
- Scissors action of 13 mm wide cutter makes clean cuts with little effort
- Serrated nose jaws to bend, shape or pull wire; holes for looping wire ends
- Spring-loaded for self-opening action
- Comfortable, plastic-covered handles
- Wide blades of 13 mm make clean cuts with little effort



CAT. NO: 1011M

Cat. No.	Strips and Cuts	Overall Length	Handle Color	Weight
1011M	0.15 to 4.0 mm <sup>2</sup> Stranded Wire	156 mm	Blue	0.10 kg

### Self-Adjusting Wire Stripper/Cutter

- Wire Stripper with stripping head that adjusts to strip: 10-20 AWG solid, 12-22 AWG stranded, and 12/2 and 14/2 Romex<sup>®</sup> cable (all sizes) and other nonmetallic (type NM) sheathed cable
- Adjustable stopper to control the length of the core strip
- Tensioning thumb wheel allows for precise stripping of smaller gauge wire
- Convenient wire cutter in handle
- Grooved grips are designed for added comfort
- Perfect for HVAC applications because it allows you to strip the outer jacket of thermostat wire and then all the associated individual wires



CAT. NO: 11061  
NZ REF: KL11061

Cat. No.	Strips and Cuts	Hold-Open Spring	Overall Length	Handle Color	Weight
11061	10 - 20 AWG Solid, 12 - 22 AWG Stranded, 12/2 and 14/2 Romex <sup>®</sup> Wire	No	210 mm	Blue/Black	0.36 kg

Romex<sup>®</sup> is a registered trademark of Southwire Company.

### Katapult Wire Stripper/Cutter

- Cuts and strips 22 AWG wire with ease
- Compound action wire stripping: grip and strip via single action squeezing motion
- Precision machined stripping holes easily remove jacket insulation without damaging the wire
- Removes up to 24 mm in length of the insulation layer (jacket layer) in a single step
- Tension loaded wire-grip gently holds the cable in place while retaining the cable geometry
- Additional cutting blades and spare parts available

KATAPULT<sup>™</sup>



CAT. NO: 11063W  
NZ REF: KL11063

Cat. No.	Strips and Cuts	Hold-Open Spring	Overall Length	Handle Color	Weight
11063W	8 - 20 AWG Solid, 10 - 22 AWG Stranded	Yes	168 mm	Blue/Black	0.34 kg

## Ratcheting Crimper

### Ratcheting Crimper - Insulated Terminals

- Crimps insulated terminals onto 10-22 AWG stranded copper wire
- Adjustable compound action design puts more crimping power into each squeeze
- Three crimping cavities in one tool
- Built-in ratchet ensures full-cycle crimping for a uniform crimp every time
- Unique cavity design provides consistent crimp from either side of the tool
- Dial adjusts the amount of force applied to the crimp
- Dual-material molded grips provide added comfort



CAT. NO: 3005CR  
NZ REF: KL3005CR

Cat. No.	Front Cavity	Mid Cavity	Rear Cavity	Handle Finish	Handle Color	Overall Length
3005CR	RED 22-16 AWG Insulated Terminals	BLUE 16-14 AWG Insulated Terminals	YELLOW 12-10 AWG Insulated Terminals	Dual-Material	Red/Black	229 mm

See page 186 for additional information on warnings.





**Plastic-dipped handles**  
for comfort and ease  
of identification

**NEW**  
Product

# High Leverage Cable Cutters

**Riveted joint**  
ensures smooth action  
and no handle wobble



**Precision hardened**  
and sharpened shear cutters for  
clean, round cuts

**Forged Tool steel**  
for durability

**Two blade profiles**  
maximize the efficiency of  
cutting and stripping

Cat. No.	Cutting Capacity	Handle Color	Handle Finish	Overall Length	Weight
63213	Up to 9mm Aluminium and Copper	Red	Plastic-Dipped	160 mm	170 g
63217	Up to 11mm Aluminium and Copper	Red	Plastic-Dipped	210 mm	300 g

## High-Leverage Cable Cutters

**Includes core cable cutter features plus:**

- High-leverage design for exceptional cutting capability
- Precision, one-hand shearing action
- Cable-gripping shear-type jaws
- Perfect for working in confined spaces
- Fits in most tool pouches/belts



**CAT. NO:** 63050  
**NZ REF:** KL6341

Cat. No.	Cutting Capacity	Handle Color	Handle Finish	Overall Length	Weight
63050	4/0 Aluminum, 2/0 Soft Copper, 100-Pair 24 AWG Communications Cable	Red	Plastic-Dipped	239 mm	0.41 kg

## Multi-Cable Cutter

- Hardened steel precision-ground cutting blades for long life
- Copper curved cutter cleanly cuts round copper cable without compression or frayed ends
- Double-dipped grips for comfort
- Coil spring provides fast self-opening action
- Holes for looping and bending wire
- Convenient lock for storage also prevents accidental locking and loosening over time

**KLEIN-KURVE™**



**CAT. NO:** 63020

Cat. No.	Cutting Capacity	Screw Shearing	Handle Color	Overall Length	Weight
63020	Up to 12 AWG Solid and Stranded Copper Wire, Up to 0.032" (.081 mm) Diameter Stainless Steel, Up to 1/2" (12.7 mm) Multi-conductor Cable, Coaxial Cable RG-6 Quad, RG-59 and RG-62	6-32 & 8-32	Red	178 mm	0.20 kg







# Insulated Tools

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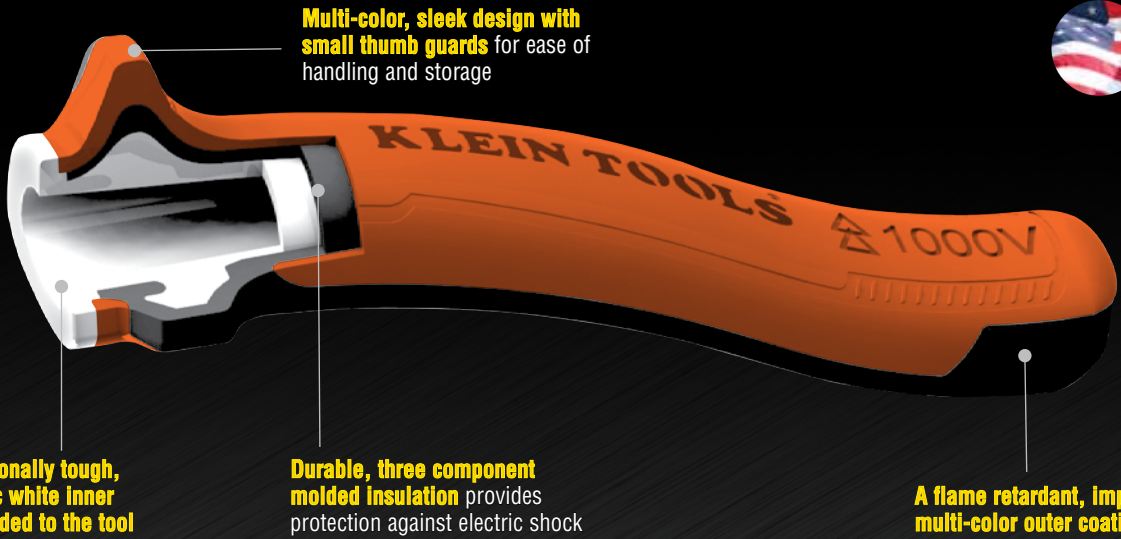
Klein insulated tools combine excellent functionality along with reduced risk of injury where a tool might make contact with an energized source with voltage up to 1000 volts.

 **1000 V**



For Professionals...  
Since 1857™

# Electrician's Insulated Tools (EINS)



**Multi-color, sleek design with small thumb guards** for ease of handling and storage

**Thick, exceptionally tough, high-dielectric white inner coating is bonded to the tool**

**Durable, three component molded insulation** provides protection against electric shock

**A flame retardant, impact-resistant, multi-color outer coating**

All Klein insulated tools comply with ASTM F-1505 and IEC 60900 standards for insulated tools and are clearly marked with the official international 1000-volt rating symbol. Not all tools with plastic coatings or plastic handles provide protection against electrical shock. Only use those tools that are marked with the official international 1000-volt rating symbol, as shown, if there is any chance that the tool will make contact with an energized source.

The Electrician's line of insulated tools (EINS) have passed VDE third party testing certification to the IEC 60900 standard.

**⚠ WARNING:** Only use tools that are marked with the official international 1000-volt rating symbol shown below, if there is any chance that the tools will make contact with an energized source.



**⚠ WARNING:** Wear approved eye protection. Always inspect your tools before use. Do not use if orange coating cracks, breaks or becomes damaged. Destroy tool if white layer shows through orange layer.

**⚠ WARNING:** Do NOT touch uninsulated portion of the tool or any conductive object when either might contact an energized source.

**⚠ WARNING:** Whenever possible, always de-energize lines and equipment prior to working on or around them. Klein insulated tools are designed only to reduce the chance of injury where the tool may make contact with an energized source.

**⚠ WARNING:** Because moisture, films, or other surface contaminants are conductive, Klein insulated tools must be kept clean, dry, and free of any surface contaminants.

## Insulated High-Leverage Side-Cutting Pliers

Includes core insulated features plus:

- High-leverage design provides 46% greater cutting and gripping power than other plier designs
- Streamlined design with sure-gripping, cross-hatched knurled jaws



CAT. NO: 213-9NE-EINS

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Color	Handle Finish	Weight
213-8NE-EINS	224 mm	37 mm	28 mm	37 mm	19 mm	Orange/Gray	3-Layer	0.5 kg
213-9NE-EINS	245 mm	41 mm	33 mm	41 mm	20 mm	Orange/Gray	3-Layer	0.6 kg
<b>Pliers with heavy-duty cutting knives design to cut ACSR, screws, nails and most hardened wire</b>								
2000-9NE-EINS	245 mm	41 mm	33 mm	41 mm	20 mm	Orange/Gray	3-Layer	0.6 kg



## Insulated Pliers

### Insulated High-Leverage Diagonal-Cutting Pliers

Includes core insulated features plus:

- High-leverage design. Rivet is closer to the cutting edge for 36% greater cutting power than other pliers designs
- 13° angled head for easier work in confined spaces (Cat. No. 2000-48-EINS)



CAT. NO: 2000-28-EINS  
NZ REF: KL9030



CAT. NO: 220-6-EINS

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Cutting Knives	Handle Color	Handle Finish	Weight
220-6-EINS	160 mm	20 mm	23 mm	11 mm	Standard	Orange/Gray	3-Layer	0.19 kg
<b>Pliers with heavy-duty cutting knives design to cut ACSR, screws, nails and most hardened wire</b>								
2000-28-EINS	210 mm	21 mm	30 mm	21 mm	Standard	Orange/Gray	3-Layer	0.32 kg
2000-48-EINS (KL9005)	210 mm	21 mm	30 mm	21 mm	Standard	Orange/Gray	3-Layer	0.32 kg

### Insulated Long-Nose Pliers — Side-Cutting

Includes core insulated features plus:

- Knurled jaws for sure wrapping and looping
- Curved handles to provide greater tool control (Cat. Nos. 203-6-EINS, and 203-7-EINS)
- Heavier design for easier, more comfortable cutting and an extended handle for added reach and leverage (Cat. No. 203-8-EINS)



CAT. NO: 203-8-EINS  
NZ REF: KL9011

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Point Diameter	Knife Length	Handle Color	Handle Finish	Weight
203-6-EINS	175 mm	49 mm	18 mm	10 mm	2 mm	13 mm	Orange/Gray	3-Layer	0.14 kg
203-7-EINS (KL9010)	187 mm	62 mm	18 mm	10 mm	2 mm	13 mm	Orange/Gray	3-Layer	0.14 kg
203-8-EINS (KL9011)	225 mm	59 mm	25 mm	13 mm	3 mm	16 mm	Orange/Gray	3-Layer	0.32 kg

### Insulated Combination Pliers

Includes core insulated features plus:

- Crimping die behind hinge for superior leverage crimping non-insulated connectors, lugs and terminals
- Toothed pipe-grip for greater power



CAT. NO: 12098-EINS  
NZ REF: KL9000

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Color	Handle Finish	Weight
12098-EINS	225 mm	45 mm	26 mm	45 mm	19 mm	Orange/Gray	3-Layer	0.5 kg

### Insulated Pump Pliers

Includes core insulated features plus:

- Secure tongue and groove design for non-slip grip - even with heavy pressure



CAT. NO: 502-10-EINS

Cat. No.	Overall Length	Jaw Capacity	Handle Color	Handle Finish	Weight
502-10-EINS	260 mm	45 mm	Orange/Gray	3-Layer	0.5 kg



## Insulated Cutting/Stripping Tools

### Insulated High-Leverage Cable Cutter

Includes core insulated features plus:

- High-leverage design for exceptional cutting capability
- Cable-gripping shear-type jaws
- Precision, one-hand shearing action
- Perfect for working in confined spaces
- Do NOT use to cut steel or ACSR



CAT. NO: 63050-EINS  
NZ REF: KL9006

Cat. No.	Cutting Capacity	Overall Length	Handle Color	Weight
63050-EINS	4/0 Aluminum, 2/0 Soft Copper, 100-Pair 24 AWG Communications Cable	245 mm	Orange/Black	0.5 kg

### Insulated Wire Stripper/Cutters

Includes core insulated features plus:

- Cuts, strips, loops and gauges wire
- Spring-loaded for self-opening
- Compact, lightweight wire-stripping and cutting tool
- Narrow serrated nose fits into tight places for easy bending, shaping and pulling of wire
- Cleanly shear 6-32 and 8-32 screws
- Do not use for cutting steel wire or bolts
- Hardened spring steel with precision-ground stripping holes for easy removal of insulation



CAT. NO: 11054-EINS

Cat. No.	Strips and Cuts	Screw Shearing	Overall Length	Handle Color	Weight
11054-EINS	8 - 16 AWG Solid, 10 - 18 AWG Stranded	6-32 and 8-32	203 mm	Orange/Gray	0.23 kg

### Insulated Lineman's Skinning Knife

- Large molded, comfort grip handle with measuring marks to help measure stripping length of wire
- Tough, tempered steel blade provides maximum sharpness and durability to withstand frequent cable scoring
- Notch on back of blade for scraping or removing insulation



CAT. NO: 1571-INS

Cat. No.	Special Features	Blade Length	Overall Length	Blade Material	Handle Color	Weight
1571-INS	Measuring Marks on Handle	60 mm	222 mm	1095 Steel	Orange	0.16 kg

### 8-in-1 Insulated Interchangeable Screwdriver Set

- Interchangeable Insulated Screwdriver Set with an insulated handle, 5 interchangeable insulated blades, and a carrying pouch
- Screwdriver Set includes tip sizes: two #2 Phillips, two 1/4-Inch Slotted, one #1 Phillips, one #1 Square, one #2 Square, and one 3/16-Inch Slotted
- Securely and easily release the blade with a quick twist of the lock collar
- Interchangeable blades with a slim-tip to fit tight terminal blocks
- Handle and blade have a 1000-Volt insulation rating and meets or exceeds ASTM F1505 standard for insulation
- A layer of orange impact and flame resistant insulation protects from electric shock
- Cushion-Grip handles for greater torque and comfort
- Double-ended blades have a 3.5-Inch shaft length, single-ended blades have 5.75-Inch shaft length
- Durable, carrying roll pouch keeps the set organized and protected



CAT. NO: 32288

Cat. No.	Phillips Bits	Slotted Bits	Square Bits	Shaft Length	Handle Color	Overall Length	Weight
32288	#1, #2	1/4", 3/16"	#2	89 - 146 mm	Black/Orange	210 mm	0.42 kg

## VDE Insulated Tools (INS)



**1000 V** Klein Insulated tools meet or exceed the IEC 60900 and ASTM F1505 standards, for insulated tools, and are clearly marked with the official 1000-volt rating symbol

**Durable, molded insulation** to meet or exceed all VDE standards for insulated tools

**Anti-roll design** prevents tool loss

**Ergonomic handle grip** for greater torque and comfort

**Slimmer tips\*** for easier access to circuit breakers and other tight spaces.



**⚠ WARNING:** Only use tools that are marked with the official international 1000-volt rating symbol shown below, if there is any chance that the tools will make contact with an energized source.



**⚠ WARNING:** Wear approved eye protection. Always inspect your tools before use. Do not use if orange coating cracks, breaks or becomes damaged. Destroy tool if white layer shows through orange layer.

**⚠ WARNING:** Do NOT touch uninsulated portion of the tool or any conductive object when either might contact an energized source.

**⚠ WARNING:** Whenever possible, always de-energize lines and equipment prior to working on or around them. Klein insulated tools are designed only to reduce the chance of injury where the tool may make contact with an energized source.

**⚠ WARNING:** Because moisture, films, or other surface contaminants are conductive, Klein insulated tools must be kept clean, dry, and free of any surface contaminants.

## VDE Insulated Screwdrivers



CAT. NO: 32690INS



32690INS



32316INS



32317INS

### 32690-INS 4pc Insulated Screwdriver Set

Cat. No.	Tip Type
32229INS	3.0 mm Cabinet Tip Screwdriver
32243INS	4.0 mm Cabinet Tip Screwdriver
32258INS	#1 Phillips Tip Screwdriver,
32259INS	#2 Phillips Tip Screwdriver

### 32316-INS 6pc Insulated Screwdriver Set

Cat. No.	Tip Type
32229INS	3.0 mm Cabinet Tip Screwdriver
32243INS	4.0 mm Cabinet Tip Screwdriver
32244INS	5.5 mm Cabinet Tip Screwdriver
32259INS	#2 Phillips Tip Screwdriver
32247INS	#2 Pozidriv® Tip Screwdriver
32319INS	#2 Square Drive Screwdriver

### 32317-INS 6pc Insulated Screwdriver Set

Cat. No.	Tip Type
32229INS	3.0 mm Cabinet Tip Screwdriver
32243INS	4.0 mm Cabinet Tip Screwdriver
32244INS	5.5 mm Cabinet Tip Screwdriver
32245INS	6.5 mm Cabinet Tip Screwdriver
32258INS	#1 Phillips Tip Screwdriver
32259INS	#2 Phillips Tip Screwdriver

Cat. No.	Tip Type	Shank Type	Shank Length	Overall Length
32228INS (KLA32228INS)	2.5 mm Cabinet Tip	Round	75 mm	180 mm
32229INS (KLA32229INS)	3.0 mm Cabinet Tip	Round	100 mm	180 mm
32230INS (KLA32230INS)	3.5 mm Cabinet Tip	Round	100 mm	190 mm
32243INS (KLA32243INS)	4.0 mm Cabinet Tip	Round	100 mm	190 mm
32244INS (KLA32244INS)	5.5 mm Cabinet Tip	Round	125 mm	225 mm
32245INS (KLA32245INS)	6.5 mm Cabinet Tip	Round	150 mm	260 mm
32246INS (KLA32246INS)	#1 Pozidriv®	Round	80 mm	180 mm
32247INS (KLA32247INS)	#2 Pozidriv®	Round	100 mm	210 mm
32258INS (KLA32258INS)	#1 Phillips Tip	Round	80 mm	180 mm
32259INS (KLA32259INS)	#2 Phillips Tip	Round	100 mm	210 mm
32318-INS	#1 Square Drive	Round	80 mm	180 mm
32319-INS	#2 Square Drive	Round	100 mm	210 mm

See page 186 for additional information on warnings.



### Nut Driver Set, 1000V Insulated, 9-piece

- Tool set includes 3/16-Inch, 1/4-Inch, 5/16-Inch, 11/32-Inch, 3/8-Inch, 7/16-Inch, 1/2-Inch, 9/16-Inch and 5/8-Inch nut drivers
- Nut Drivers with Full hollow shafts facilitate work on long bolt applications
- Durable, two-layer, molded insulation protects against electric shock
- Tip-Ident® quickly identifies nut driver and size
- Highly durable, black, nylon case features custom-fitted tool pockets
- Replacement case available (Cat. No. 33534)
- Meets or exceeds IEC 60900: 2012, ASTM F1505-10 standards for insulated tools



CAT. NO: 33524

Cat. No.	Nut Drivers	Shaft Length	Handle Color	Overall Length	Weight
33524	3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16" and 5/8"	152 mm	Black/Orange	248 - 289 mm	2.72 kg

### Screwdriver Set, 1000V Insulated Slotted and Phillips, 9-Piece

- Screwdriver Set features three sizes of cabinet, keystone and Phillips tips. (See individual tool listings for more details)
- Insulated screwdrivers have two layers of insulation to provide protection against electric shock
- Meets or exceeds IEC 60900: 2012, ASTM F1505-10 standards for insulated tools
- Highly durable, black nylon case features zipper closure, custom-fitted pockets and an extra pocket for additional storage
- Replacement case available (Cat. No. 33538)



CAT. NO: 33528

Cat. No.	Screwdrivers	Handle Color	Overall Length	Weight
33528	3/16", 1/8", 1/4", 5/16", 3/8", #1, #2, #3	Black/Orange	279 mm	2.5 kg

### Screwdriver Set, 1000V Insulated Slotted and Phillips, 2-Piece

- Screwdriver Set includes one 1/4-Inch Cabinet-Tip (Cat. No. 602-4-INS) and one #2 Phillips-Tip (Cat. No. 603-4-INS)
- Insulated screwdrivers reduce risk with work up to 1000 volts
- Durable, two-layer, molded insulation
- Orange outer coating is flame and impact resistant
- White high-dielectric inner coating is bonded to the steel
- Cushion-Grip handles for greater torque and comfort
- Meets or exceeds IEC 60900 and ASTM F1505 standards for insulation
- Made in the USA
- Includes non-magnetic tips



CAT. NO: 33532-INS

Cat. No.	Screwdrivers	Shank Length	Handle Color	Overall Length	Weight
33532-INS	1/4" Cabinet Tip, #2 Phillips Tip	102 mm	Black	180 mm	0.27 kg

### Slim-Tip Insulated Screwdrivers, Cushion Grip

- Slim-Tip Insulated Screwdriver Set includes: 4-Inch round shank in a #2 Phillips and 1/4-Inch Cabinet tips; 6-Inch round shank in a #2 Square and 3/16-Inch Cabinet tips
- 1000-Volt rated insulated screwdrivers with slim-tips that allow for greater access into tight spaces
- Insulated blade is flush with the tip to help reduce nicking the insulation
- Layer of orange impact and flame-resistant insulation protects from energized sources
- Cushion-grip handles for greater torque and comfort
- Meets or exceeds ASTM F-1505-16 and IEC 60900:2018
- Made in the USA



CAT. NO: 33734INS

Cat. No.	Screwdrivers	Set	Blade Length	Overall Length	Weight
33734-INS	1/4" Cabinet Tip, #2 Phillips Tip, 3/16" Cabinet Tip, #2 Square Tip	4 Piece	Black	211 - 262 mm	0.3 kg



## Insulated Screwdriver, #1 Phillips Tip, 4-Inch

- 1000V Rated for safety
- Durable, two-layer, molded insulation to meet or exceed all ASTM and IEC standards for insulated tools
- Cushion-Grip handles for greater torque and comfort
- Custom US-made tool steel
- Made in the USA



CAT. NO: 6334INS

## Insulated #2 Phillips Screwdriver, 7-Inch

- 1000V Rated for safety
- Durable, two-layer, molded insulation to meet or exceed all ASTM and IEC standards for insulated tools
- Cushion-Grip handle for greater torque and comfort
- Custom US-made tool steel
- Made in the USA



CAT. NO: 6037INS

## Insulated Screwdriver, #3 Phillips, 7-Inch Shank

- 1000V Rated for safety
- Durable, two-layer, molded insulation to meet or exceed all ASTM and IEC standards for insulated tools
- Cushion-Grip handles for greater torque and comfort
- Custom US-made tool steel
- Made in the USA



CAT. NO: 6337INS

## Insulated Screwdriver, 3/16-Inch Cabinet, 4-Inch

- 1000V Rated for safety
- Durable, flame-retardant, molded dual-layer insulation
- Custom US-made tool steel
- Made in the USA



CAT. NO: 601-4-INS

## Insulated Screwdriver, 3/16-Inch Cabinet, 7-Inch

- 1000V Rated for safety
- Durable, two-layer, molded insulation to meet or exceed all ASTM and IEC standards for insulated tools
- Custom US-made tool steel
- Cushion-Grip handle for superior torque and comfort
- Made in the USA



CAT. NO: 601-7-INS

## Insulated 1/4-Inch Cabinet Tip Screwdriver, 7-Inch

- 1000V Rated for safety
- Durable, two-layer, molded insulation to meet or exceed all ASTM and IEC standards for insulated tools
- Custom US-made tool steel
- Cushion-Grip handle for superior torque and comfort
- Made in the USA



CAT. NO: 605-7-INS

# Screwdrivers and Sockets

Offering a variety of tip types, hex sizes, shaft lengths, and handle designs, Klein has the screwdrivers and nut drivers professionals demand to get the job done with comfort and ease.

For Professionals...  
Since 1857™



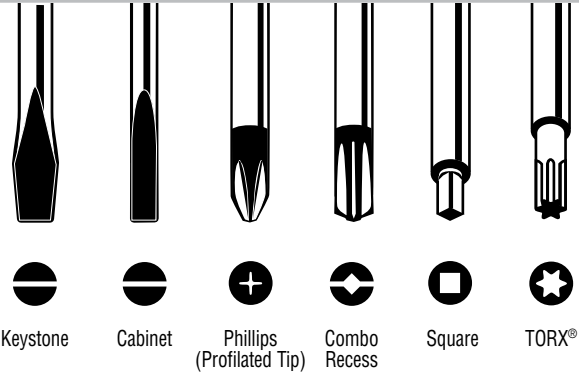


## Introduction

Extra-quality features have made the Klein name famous for hand tools – features that assure greater convenience, comfort and efficiency in use, plus exceptional strength and durability.

All Klein drivers are made of the highest quality tempered steel and carefully heat-treated for maximum strength. Shafts have integral flanges that provide an extra-strong, torque-proof anchor in the handle. Strong, durable black tips are forged and precision ground with square edges to fit screw openings securely. They resist slip-page and provide positive turning action.

Cushion-Grip screwdrivers feature super-comfortable, sure-grip handles on top-quality blades for the professional. All Klein screwdrivers meet or exceed applicable ANSI and MIL specifications.



## Using Screwdrivers and Nut Drivers

The size of the screw or nut and the type of opening it has determines which driver to use. Here are a few tips on how to use a driver that can be of benefit, because screwdrivers are the most often misused and abused hand tools of all.

- 1. Never use a driver to do another tool's job.**  
Using a driver as a pry bar, scraper, or a chisel can ruin the tool, spoil the work and cause injury.
- 2. Never push a driver beyond its capacity.**  
Make a pilot hole for the screw for easier driving. Use square-shank drivers for heavy work.
- 3. Never expose a driver to excessive heat.**  
Direct flame can draw the temper from the metal, weakening and possibly warping it, making it unsafe and inefficient to use.

- 4. Never use a driver at an angle to the screw.**  
Always keep the shank perpendicular to the screw head. Driving at an angle or using a point that is too small can spoil the screw or slip and damage the work.
- 5. Never depend on a driver's handle or covered blade to insulate you from electricity.** Plastic and Cushion-Grip handles are intended only to provide a firm, comfortable grip. Insulated blades are intended only as a protective measure against shorting out components. Only use insulated tools that are marked with the official international 1000-volt rating symbol if there is any chance that the tool will make contact with an energized source.
- 6. Discard damaged or worn drivers.**

TORX® is a registered trademark of Acument Intellectual Properties, LLC.

## Multi-Bit Cushion-Grip Screwdrivers/Nut Drivers

### 15-in-1 Screwdriver/Nut Drivers

- Includes 14 different screwdriver tips plus a 1/4" nut driver
- Internal storage for screwdriver bits



INTERNAL STORAGE in handle



CAT. NO: 32290



Cat. No.	Description	Nut Driver Sizes	Phillips Bits	Slotted Bits	Square Bits	Hex Bits	Combo Bits	Torx® Bits	Other Bits	Shank Length	Handle Color	Overall Length	Weight
32290	Multi-Bit Screwdriver with Storage 15-Piece	1/4"	#0, #1, #2, #3	4 mm, 6 mm	#1, #2	—	#1, #2	#10, #15, #20, #25	—	102 mm	Black	216 mm	0.23 kg
32291	Tamper-proof Multi-Bit Screwdriver Set 15-Piece	1/4"	—	—	—	Pins: 1/8", 9/64", 5/32", 3/16"	—	Pins: #10, #15, #20, #25, #27, #30	Spanners: #6, #8, #10, #12	102 mm	Black	216 mm	0.23 kg

### Multi-Bit Screwdriver/Nut Drivers

- Integrated screwdriver/nut driver shaft holds popular tips and converts nut driver sizes



CAT. NO: 32500



Cat. No.	Nut Driver Sizes	Phillips Bits	Slotted Bits	Square Bits	TORX® Bits	Shank Length	Handle Color	Overall Length	Weight
32500	3/8", 5/16", 1/4"	#1, #2	6.4 mm, 4.8 mm	#1, #2	T10, T15	76.2 mm	Yellow/Black	184 mm	0.23 kg

TORX® is a registered trademark of Acument Intellectual Properties, LLC

See page 186 for additional information on warnings.



## Multi-Bit Cushion-Grip Screwdrivers/Nut Drivers

### 15-in-1 Multi-Bit Ratcheting Screwdriver

- Multi-Bit screwdriver features a durable ratcheting mechanism for faster and easier all-day driving
- On-board storage of 14 different double-sided screwdriver bits and a 1/4-Inch nut driver
- Industrial-strength bits that are conveniently housed in the handle
- Collar sets ratchet direction at forward, fixed and reverse
- Cushion-Grip handle for great torque and maximum comfort
- Spin cap for optimum and precise control
- Includes Phillips (#0, #1, #2, #3), Slotted (3/16-Inch, 1/4-Inch), Square (#1, #2), Torx® (T10, T15, T20, T25), and Combo (#1, #2) bits
- TORX® is a registered trademark of Acument Intellectual Properties, LLC



CAT. NO: 32305

Cat. No.	Nut Driver Sizes	Phillips Bits	Slotted Bits	Square Bits	TORX® Bits	Combo Bits	Handle Color	Shank Length	Overall Length
32305	1/4"	#0, #1, #2, #3	3/16", 1/4"	#1, #2	T10, T15, T20, T25	#1, #2	Black/Yellow	89 mm	221 mm

### HVAC Slide Drive™ Multi-Bit Screwdriver / Nut Driver, 8-in-1

- 8-in-1 Screwdriver / Nut Driver with unique, patented head that slides back and forth to switch from 1/4-Inch to 5/16-Inch magnetic hex-head screwdriver
- Thumb nut locks tip setting
- Features a specialty bit for installation/removal of common TR-4 Schrader® valves
- Includes 1/4-Inch and 3/8-Inch hollow nut drivers, as well as #2 Phillips, 1/8-Inch (3 mm) and 1/4-Inch (6 mm) slotted screwdriver tips
- Cushion-Grip handle for greater torque and comfort
- Great for HVAC applications including thermostat installation and control work
- U.S. patent 7,654,175 B2



CAT. NO: 32596

Cat. No.	Nut Driver Sizes	Phillips Bits	Slotted Bits	Other Bits	Handle Color	Shank Length	Overall Length
32596	1/4" Magnetic, 5/16" Magnetic, 1/4" & 3/8" Hollow	#2	1/8", 1/4"	Schrader® Valve Core Removal	Black/Yellow	63 mm	191 mm

### All-in-1 Precision Screwdriver Set with Case

- Precision screwdriver set includes 39 bits for various applications including repair of most Apple® products
- Powerful magnets inside barrel to better retain bits, as well as pick-up and hold fasteners
- Reversible barrel has standard and extended-reach ends
- Compact carrying case features a stay-shut latch and extra-long bits for easier access
- Spin cap offers optimum and precise control
- Industrial-strength heat treated bits
- Cushion-Grip handles for maximum comfort
- Apple® is registered trademarks of Apple Inc; TORX® is a registered trademark of Acument Intellectual Properties, LLC; Tri-Wing® is a registered trademark of Phillips Screw Company



CAT. NO: 32717

Cat. No.	Phillips Bits	Slotted Bits	Square Bits	Hex Bits	TORX Bits	Other Bits	Handle Color	Shank Length	Overall Length
32717	#000, #00, #0, #1, #2	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 3.5 mm	#1, #2	0.9 mm, 1.3 mm, 1.5 mm, 3 mm, 3.5 mm	T3, T4, Tamper-proof: T5, T6, T7, T8, T9, T10, T15	Triangle: #2, #3; Pentalope: P2, P5; Tri-Wing®: Y000, Y0, Y1; Stand Off; Spanner: #4, #6	Black/Yellow	51 - 102 mm	161 mm



## Multi-Bit Cushion-Grip Screwdrivers/Nut Drivers

### Non-Ratcheting Magnetic Screwdriver with 32-Piece Tamper-proof Bit Set

- Sturdy bit and screw holding magnet allows for screws to fit securely in place for easy use
- Durable PVC black block allows for easy storage of standard 1/4" bits
- Includes complete tamper-proof bit set in block



CAT. NO: 32510

Cat. No.	Nut Driver Sizes	Hex Bits	TORX® Bits	Other Bits	Shank Length	Handle Color	Overall Length	Weight
32510	1/4"	3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm	T7, T8, T10, T15, T20, T25, T27, T30, T40	Spanner: 4, 6, 8, 10; Tri-Wing®: 1, 2; TORQ-SET®: 6, 8, 10	89 mm	Yellow/Black	203 mm	0.32 kg

TORX® is a registered trademark of Acument Intellectual Properties, LLC. TORQ-SET® and Tri-Wing® are registered trademarks of Phillips Screw Co.

### Stubby Multi-Bit Screwdriver/Nut Driver

- Compact design features standard 32 mm shaft allowing easy access to tight work spaces
- Shaft holds four universal tips and converts to two nut driver sizes



CAT. NO: 32561



Cat. No.	Nut Driver Sizes	Phillips Bits	Slotted Bits	Shank Length	Handle Color	Overall Length	Weight
32561	1/4", 5/16"	#1, #2	4.8 mm, 6.4 mm	32 mm	Yellow/Black	87 mm	0.07 kg

### 4-in-1 Electronics Precision Screwdrivers

- Four different tips in one tool
- Rotating cap for optimum and precise control



CAT. NO: 32581



Cat. No.	Phillips Bits	Slotted Bits	TORX® Bits	Shank Length	Handle Color	Overall Length	Weight
32581	#0, #00	3.2 mm, 2.4 mm	—	71 mm	Yellow/Black	165 mm	31 g

### 6-in-1 Ratcheting Stubby Screwdrivers

- Ratcheting mechanism allows user to work faster with more efficiency



CAT. NO: 32593



Cat. No.	Nut Driver Sizes	Phillips Bits	Slotted Bits	Shank Length	Handle Color	Overall Length	Weight
32593	1/4", 5/16"	#1, #2	4.8 mm, 6.4 mm	33 mm	Yellow/Black	89 mm	0.05 kg

See page 186 for additional information on warnings.



## Multi-Bit Cushion-Grip Screwdrivers/Nut Drivers

### Torque Screwdriver Set

- Compact, easy to use set includes the Torque Screwdriver, a 6-piece bit set and a rugged case with foam inserts for a tight, organized fit
- Increased usability and readability plus a wider torque range (0.56-4.52 Nm)
- Tri-lobular design with a textured finish for better grip
- Lightweight, aluminum frame
- N.I.S.T. traceable calibration certificate
- Set includes six 89 mm power drivers and a 1/4" nut driver



CAT. NO: 57032



Cat. No.	Included	Weight
57032	Phillips: #1 and #2; Slotted: 4.8 mm and 6.4 mm; Square: #1 and #2; and 1/4" Nut Driver	0.5 kg

### Metric 7-in-1 Nut Driver

- Seven sizes in one tool allow for easy, one-handed driving
- Strong, rare earth magnets (7, 8, 9, 10 and 12 mm) securely hold nuts and bolts
- Spring coil (11 and 13 mm) holds nuts and bolts in place without the use of magnets
- Hollow shafts (7, 8, 10, 11 and 13 mm) for driving nuts deep onto bolts or threaded rod
- Heavy-duty handle and shaft exceed the torque performance of regular nut drivers
- Wrench-assist on handle for added torque on tough jobs
- Color-coded bands for easy identification



CAT. NO: 32807MAGM



Wrench-Assist



Cat. No.	Nut Driver Sizes	Overall Length	Weight
32807MAGM	7, 8, 9, 10, 11, 12 and 13 mm	242 mm	0.51 kg

## Screw-Holding Screwdrivers

### Slotted Plastic-Handle Screw-Holding Screwdrivers

- Positive gripping action holds, starts, and drives slotted screws in awkward, hard-to-reach places
- Split-blade screw-holding driver wedges into screw slot
- Not designed for torquing or tightening



CAT. NO: K36

Cat. No.	Tip Type	Shank Type	Overall Length	Weight
K23 (KL8105)	4.8 mm Slotted	Round	133 mm	0.02 kg
K28 (KL8110)	4.8 mm Slotted	Round	260 mm	0.05 kg
K34 (KL8115)	6.4 mm Slotted	Round	197 mm	0.05 kg
K36 (KL8120)	6.4 mm Slotted	Round	248 mm	0.07 kg
K38 (KL8125)	6.4 mm Slotted	Round	299 mm	0.09 kg
K44	7.9 mm Slotted	Round	210 mm	0.11 kg
K46 (KL8126)	7.9 mm Slotted	Round	260 mm	0.11 kg
K48 (KL8128)	7.9 mm Slotted	Round	311 mm	0.14 kg

Precision blade for use with small precision screws. Blade thickness of 0.7 mm expanding to 1.1 mm.  
‡ Blade thickness of 1.1 mm expanding to 2.1 mm. K21 and K23 have pocket clips.

Cat. No.	Set Contains	Weight
SK234	Slotted Holding Screwdriver Set, 3-Piece	0.18 kg

Cat. No.	Description
K23	4.8 mm Slotted Screw Holding Screwdriver
K34	6.4 mm Slotted Screw Holding Screwdriver
K46	7.9 mm Slotted Holding Screwdriver

### Phillips-Tip Screw-Holding Screwdrivers

- Positive gripping action holds and starts Phillips screws in awkward, hard-to-reach places
- Blade separates to hold the fastener
- Not designed for torquing or tightening



CAT. NO: K19



Cat. No.	Tip Type	Shank Type	Overall Length	Weight
K19	Phillips	Round	229 mm	22.7 g



# Knives and Cutting Tools

Klein provides a wide range of knives and other cutting tools for professional applications across all trades.



For Professionals...  
Since 1857™

## Utility Knives

### Auto-Loading Folding Retractable Utility Knife

- Auto-loading blade for faster and safer blade changes
- Internal blade storage holds and includes 3 blades
- Rubber grips on handle for improved control and comfort
- High quality triple ground blades stay sharp longer
- Lock release to close knife
- Equipped with belt clip

Cat. No.	Overall Length	Length Closed	Weight
44130	181 mm	105 mm	210 g



CAT. NO: 44130  
NZ REF: KL44130

### Folding Utility Knife

- Push button to easily open and close
- Rugged, heavy-duty and durable construction
- Contains a wire stripping notch
- High quality triple ground blades stay sharp longer
- Rubber grips on handle for improved control and comfort
- The bright orange handle color makes this knife easy to find in a tool bag or pouch

Cat. No.	Overall Length	Length Closed	Weight
44131	159 mm	102 mm	120 g



CAT. NO: 44131  
NZ REF: KL44131

### Klein Kurve™ Retractable Utility Knife

- Rugged, heavy-duty and durable construction
- Contains a wire-stripping notch
- Internal blade storage includes and holds 6 blades
- High quality triple ground blades stay sharp longer
- Rubber grips on handle for improved control and comfort
- Designed for improved cutting ability

Cat. No.	Overall Length	Length Closed	Weight
44133	178 mm	165 mm	210 g



CAT. NO: 44133  
NZ REF: KL44133

### Camouflage Assisted-Open Folding Utility Knife

- Realtree Xtra® Camo design handle with rubber grip and TPR overmold for a secure grip
- Rugged, heavy-duty and durable construction
- Spring-assisted opening with dual thumb stud for right- or left-handed use
- Blade locks when in closed position
- Low carry pocket clip
- Lanyard hole

Cat. No.	Overall Length	Length Closed	Weight
44135	178 mm	159 mm	210 g



CAT. NO: 44135  
NZ REF: KL44135



Realtree AP-XTRA Camouflage Design  
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**WARNING:** Blades are intended for cutting only, and should be handled and disposed of with care. Bending the blade can cause it to break, possibly resulting in bodily injury. Check local laws on legality of selling or possessing these knives.



## Utility Knives

### Auto-Retracting Utility Knife

- Rugged, heavy-duty and durable construction
- Knife incorporates a wire-stripping notch
- Safety yellow handle for greater visibility
- Blade removal/insertion without disassembly
- Blade retracts fully into housing when cut is complete



CAT. NO: 44136  
NZ REF: KL44136

Blade retracts fully into housing when cut is complete.



Cat. No.	Overall Length	Length Closed	Weight
44136	146 mm	144 mm	200 g

## Pocket Knives

### Compact Pocket Knife

- Lockback secures blade in open position
- Corrosion resistant black aluminum handle
- Reversible thumb stud for easy one-hand opening
- Lanyard hole allows knife to be tethered
- Low-carry pocket clip



CAT. NO: 44142  
NZ REF: KL44142

Cat. No.	Blade Type	Blade Length	Blade Material	Handle Material	Length Closed	Overall Length	Weight
44142	Drop Point	73 mm	440A Stainless Steel	Aluminum	97 mm	172 mm	400 g

### Stainless Steel Pocket Knife 3-Inch Steel Blade

- Compact and lightweight knife
- Stainless steel handle and blade for long life
- Hardwood handle inserts on both sides
- Modified spearpoint blade locks open



CAT. NO: 44034

Cat. No.	Blade Type	Blade Length	Blade Material	Handle Material	Length Closed	Overall Length	Weight
44034	Drop Point	76 mm	Stainless Steel	Stainless Steel	102 mm	178 mm	113 g

### Electrician's Pocket Knives

- Liner lock secures blade in open position
- Stripping notches on the back of the blade
- Low-carry pocket clip

STRIPPING NOTCHES  
10-14 AWG Solid and  
12-16 AWG Stranded



CAT. NO: 44201  
NZ REF: KL44201

Cat. No.	Blade Type	Blade Length	Blade Material	Handle Material	Length Closed	Overall Length	Weight
44201	Drop Point	86 mm	440A Stainless Steel	Anodized Aluminum	108 mm	202 mm	136 g

See page 186 for additional information on warnings.



**⚠ WARNING:** Blades are intended for cutting only, and should be handled and disposed of with care. Bending the blade can cause it to break, possibly resulting in bodily injury. **Check local laws on legality of selling or possessing these knives.**

## Pocket Knives

### Rugged Pocket Knives

- Liner lock secures blade in open position
- Rugged handle with rubber finger grip
- Lanyard hole allows knife to be tethered
- Low-carry pocket clip

Cat. No.	Blade Type	Blade Length	Blade Material	Handle Material	Length Closed	Overall Length	Weight
44220	Drop Point	89 mm	440A Stainless Steel	Anodized Aluminum	120 mm	208 mm	140 g
44222	Tanto	89 mm	440A Stainless Steel	Nylon/Rubber	120 mm	208 mm	110 g



CAT. NO: 44220  
NZ REF: KL44220



CAT. NO: 44222  
NZ REF: KL44222



### Slitting Pocket Knife

- Liner lock secures blade in open position
- Durable plastic handle
- Shackle allows knife to be tethered

Cat. No.	Blade Type	Blade Length	Blade Material	Handle Material	Length Closed	Overall Length	Weight
1550-24	Hawkbill	70 mm	Stainless Steel	Plastic	114 mm	172 mm	70 g



CAT. NO: 1550-24  
NZ REF: KL4480

### Carbon Steel Hawkbill Slitting Blade Pocket Knife

- Extra-large curved hawkbill slitting-blade 2-5/8-Inch (67 mm) long
- Ideal for heavy-duty line work
- Woodgrain plastic handle
- Blade locks open

Cat. No.	Blade Type	Blade Length	Blade Material	Handle Material	Length Closed	Overall Length	Weight
1550-4	Hawkbill	67 mm	Carbon Steel	Plastic	105 mm	156 mm	70 g



CAT. NO: 1550-4  
NZ REF: KL4390

### Sportsman Knife with Drop Point Blade

- Curved handle with big bolster
- Brass bolster and ebony wood handle
- Stainless steel blade and brass lining ensure long life
- 3-3/8-Inch (86 mm) blade length
- Blade locks open
- Comes with leather snap case with belt loop



CAT. NO: 44037

Cat. No.	Blade Type	Blade Length	Blade Material	Handle Material	Length Closed	Overall Length	Weight
44037	Clip Point	86 mm	Stainless Steel	Ebony Wood	127 mm	222 mm	187 g

**WARNING:** Blades are intended for cutting only, and should be handled and disposed of with care. Bending the blade can cause it to break, possibly resulting in bodily injury. Check local laws on legality of selling or possessing these knives.





## Pocket Knives

### Cable Skinning Utility Knife with Replaceable Blade

- Heavy-duty sheepsfoot blade is replaceable to eliminate the need for sharpening
- Blade locks securely by a captive lock screw, making it as solid as a fixed-blade knife
- Thumb stud for easy opening
- Handle has rubber exterior for increased grip
- A lock-back design securely locks the blade in the open position
- Pocket clip for easy storage and convenient access



CAT. NO: 44218

Cat. No.	Special Features	Blade Length	Overall Length	Blade Material	Handle Color	Weight
44218	Replaceable Blade	64 mm	198 mm	440A Stainless Steel	Orange/Black	160 g

### Cable/Lineman's Skinning Knives

- Features 76 mm steel blade that withstand frequent scoring and slitting of cable jacket
- Notch on blade back for scraping or removing wire insulation
- Comfortable textured handle with finger grooves and guard
- No contact between stainless steel ring and hardened steel blade
- Rectangle-shaped handle design for attachment to some utility hot stick equipment



CAT. NO: 1570-3  
NZ REF: KL4426

Cat. No.	Special Features	Blade Length	Overall Length	Blade Material	Handle Color	Weight
1570-3	Hook Blade, Notch, and Ring	76 mm	203 mm	Steel	Black	140 g

### Cable Splicer's Knife, 6-1/2-Inch

- Special-purpose short blade with comfortable, full-sized, heavy-duty handle
- Coping-type blade made of the finest cutlery steel, tough and carefully tempered to hold its edge
- Handle is textured for comfort and firm grip
- Hang hole for easy storage and portability



CAT. NO: 44200

Cat. No.	Special Features	Blade Length	Overall Length	Blade Material	Handle Color	Weight
44200	Hook Blade, Notch, and Ring	45 mm	159 mm	1095 Steel	Black	68 g

### Cable Splicer's Kit

- Includes cable splicer's knife, electricians scissors, and 2-pocket leather pouch
- Cuts cable, telephone wire, and strips insulation
- Dimensions: 2-1/8-Inch (54 mm) x 7-1/2-Inch (191 mm)
- Knife's textured handle provides comfortable grip
- Pouch is riveted and stitched for added durability
- Electrician's Scissors feature wire stripping notches

Cat. No.	Kit Contains	Weight
44037	Cable Splicer's Kit	0.23 kg
Cat. No.	Description	
44200	Cable Splicer's Knife, 6/12"	
2100-7	Electrician's Scissors, Nickel Plated	
5187	Scissors & Cable Splicer's Knife Holder	



CAT. NO: 44037

See page 186 for additional information on warnings.



**⚠WARNING:** Blades are intended for cutting only, and should be handled and disposed of with care. Bending the blade can cause it to break, possibly resulting in bodily injury. **Check local laws on legality of selling or possessing these knives.**

## Replacement Blades

### Utility Knife Blades, 5 Pack

- Heavy-duty razor-edged blades
- Universal size fits Klein and most other makes of utility knives
- Blades are reversible for extra life
- Includes: five utility knife replacement blades

Cat. No.	Blade Length	Blade Thickness	Pack Quantity
44101	61.9 mm (2.438")	0.6 mm (0.025")	5



CAT. NO: 44101  
NZ REF: KL4493

### Utility Blade Dispenser with 50 Blades

- 50 blades included
- High quality, triple ground blades stay sharp longer
- Gauge on dispenser indicates blades remaining
- Convenient interim storage for used blades
- Blades are compatible with all standard utility knives

Cat. No.	Overall Width	Dimensions	Pack Quantity
44103	32.9 mm	109.9 x 71.0 x 32.9 mm	50



CAT. NO: 44103

### Replacement Hawkbill Blade for 44218 3-Pack

- 3-pack replacement blades for Cable Skinning Folding Utility Knife Cat. No. 44218
- Induction-hardened 440A stainless steel
- Heavy-duty hawkbill blade
- Note: to replace blade, loosen captive screw, pull old blade straight from the handle, replace with new blade and tighten the lock screw
- Patent US D808,749

Cat. No.	Blade Length	Blade Type	Pack Quantity
44219	63.5 mm (2.5")	Hawkbill	3



CAT. NO: 44219  
NZ REF: KL44219

## Sharpening Tools

### Combination Knife and Scissors Sharpener

- High-grade, tungsten-carbide inserts sharpen both sides of the blade at the same time
- Restores knife edge in three or four strokes
- Built-in finger guard helps to protect your hand
- Lightweight, compact size for easy carrying and storage
- Sharpens electrician's scissors, pocket knives, retractable-blade utility knives, razor blade knives and serrated knives

Cat. No.	Overall Length	Overall Width	Weight
48036	102 mm	57 mm	0.05 kg



CAT. NO: 48036  
NZ REF: KL4500

**WARNING:** Improper use of knife and scissors sharpener and/or failure to follow instructions can result in injuries. Keep your fingers behind the curved guard and your thumb securely on the multi-grooved thumb-rest indentation, never in front of it.



## Utility

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Klein Tools has established a reputation for manufacturing high quality safety, cutting and wire pulling tools to help linemen do their jobs. The company remains dedicated to making the best hand tools in the industry, and supporting linemen with quality and reliability they can count on every day.

For Professionals...  
Since 1857™

## Safety Products

### Lockouts with Interlocking Tabs

- Specifically designed for locking out power sources such as disconnects, switches, and panel boxes
- Double interlocking hasp of tempered steel with patented interlocking tabs for extra security
- Hasps are bright zinc-plated
- Riveted construction
- Six-hole locking bodies coated with red vinyl plastic
- Holes will accept up to 8 mm diameter shackles



CAT. NO: 45201  
NZ REF: KL9090

Cat. No.	Closed Hasp I.D.	Weight
45201	38 mm	113 g

**⚠WARNING:** Use only in accordance with OSHA requirements.

## Cable Cutters

### Utility Cable and Rope Cutters

- Forged steel with black-oxide finish for long life
- Shear-type hook jaws grab and hold cable while shear-cutting action makes clean cuts
- Beveled tips for positive mating
- Hinge bolt with pin-set nut for proper blade tension



CAT. NO: 63035

**⚠WARNING:** Do NOT cut steel or ACSR.

Cat. No.	Cutting Capacity	Handle Color	Overall Length	Weight
63035	MCM Cable 350 Copper, 350 Aluminum	Red	413 mm	0.8 kg

Stoffel® is a registered trademark of Stoffel Seals Corporation.

### Ratcheting Cable Cutters

- Reduced hand force for easier cutting
- Patented two-step ratchet mechanism requires fewer strokes per cut
- Quick release lever opens blades easily in every cutting position to allow removal of the cable before completion of cut
- Hardened steel cutting blades for lasting strength and sharpness
- Locking lever keeps handles closed for easy transport; fits in a toolbox or bag



CAT. NO: 63060  
NZ REF: KL6355

**⚠WARNING:** Do NOT cut steel or ACSR.

#### Replacement parts available

(blades, handles, springs, pawl sets and release plates).  
Go to [www.kleintools.com](http://www.kleintools.com) for a full listing of replacement parts.

Cat. No.	MCM Maximum Cable Capacity (Aluminum)	MCM Maximum Cable Capacity (Copper)	MCM Maximum Cable Capacity (Communication Cable)	Overall Length	Handle Color	Weight
63060	750 MCM	600 MCM	29 mm	260 mm	Red	0.6 kg



## Cable Cutters

### ACSR Ratcheting Cable Cutter

- High-leverage ratcheting mechanism for easier cutting
- Quick-release lever opens blades easily in every cutting position. (Allows removal of the cable before completion of cut)
- Hardened steel cutting blades for long lasting strength and sharpness
- Tools can be locked when not in use
- Cutting inserts with screws (Cat. No. 63800ACSR)



CAT. NO: 63607  
NZ REF: KE63607



CAT. NO: 63800ACSR

#### Replacement parts available

(blades, handles, springs, pawl sets and release plates)

Go to [www.kleintools.com](http://www.kleintools.com) for a full listing of replacement parts.

Cat. No.	MCM Maximum Cable Capacity (ACSR)	MCM Maximum Cable Capacity (Aluminum)	MCM Maximum Cable Capacity (Copper)	MCM Maximum Cable Capacity (Guy Strand)	Handle Color	Overall Length	Weight
63607	336 MCM	600 MCM	400 MCM	—	Yellow	260 mm	0.7 kg
63800ACSR	477 MCM	32 mm	25 mm	13 mm	Red	349 mm	1.5 kg

### Ratcheting ACSR Cable Cutter - Heavy-Duty



- Ratchet-action design provides maximum leverage with minimum effort for heavy-duty use
- Forged, heat-treated, shear-type blades, plus 610 mm long fiberglass handles with heavy duty grips for comfort and slip resistance
- Blade-advance knob for fast rotation of the blade to engage the cable or other material being cut
- Quick-release mechanism allows for removal of the cable or rod before completion of the cut, if desired
- Not designed for cutting EHS guy strand or reinforcement rod
- Cuts steel and ACSR

CAT. NO: 63700

Cat. No.	Soft Cable Maximum Capacity	Steel Cable Maximum Capacity	Handle Color	Overall Length	Weight
63700	57 mm Diameter, 750 MCM Diameter, Copper or Aluminum	32 mm Diameter ACSR, ACAR, 11 mm Diameter Common Guy Strand, 16 mm Diameter Steel Wire Rope, 13 mm Diameter Steel Rod (G.R.S. SOFT)	Yellow	711 mm	6.4 kg



## Types of Wire Pulling Grips

Klein Chicago™, Parallel Jaw and Haven's™ Grips are widely used in the power, communications, and general construction fields to pull wire and cable. The grips maintain temporary tension until the wire or cable can be permanently terminated.

### Klein Chicago™ Grips

Designed for use on aluminum, copper, weatherproof coated wire, PVC covered conductors and messenger and guy strand

- Locking loop handles allow the jaws to be held in an open position for easy placement on wire or cable
- Available in Round, Double V, Single V and Aggressive jaw contours



### Parallel Jaw Grips

Lightweight compact grips pull an exceptionally wide range of cable types and sizes

- Latch helps maintain cable position
- Large-diameter eye accommodates large hooks on hoists, winches and tackle blocks
- Available in Round and Double V jaw contours



### Haven's™ Grips

Designed for use when a light, compact grip is desired where conductor deformation is not a factor

- Knurled eccentric jaw applies gripping pressure to 1/4" of cable area
- Some models include a swing latch that holds cable securely in jaw
- Recommended for messenger and guy strand and wire rope
- 1625 Series can be used for wire rope



### Hot-line Latch

Designed for placing a grip on cable with a hot-line stick.

- The three notches in the hot-line latch adjust the balance of the grip to better match the direction of the cable sag
- When stick is removed, latch closes automatically to guard against grip accidentally disengaging from wire
- Standard hot-line grips are not supplied with springs or lock-open features
- Some grips are available with a positionable latch



## Wire Pulling Grips Warnings

**⚠WARNING:** Grips are to be used for temporary installation, not for permanent anchorage.


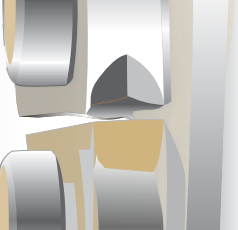



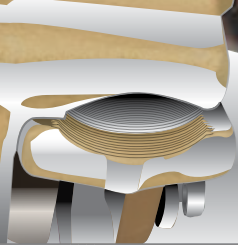

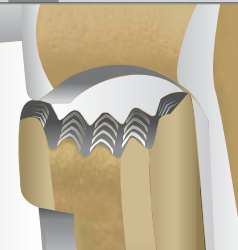
**⚠WARNING:** When used on/or near energized lines, ground, insulate, or isolate grip before pulling.

**⚠WARNING:** Do not exceed rated capacity.

**⚠WARNING:** Always match proper size and type of grip to application.

**⚠WARNING:** Before each use, clean jaw area and inspect grip for proper operation to avoid slippage.

## Types of Jaw Contours

 <b>Single V</b>	<b>Steel Strand Cat. No.</b>		
	<ul style="list-style-type: none"> <li>Simple three-point contact jaws.</li> <li>Designed for use on small diameter bare wire and cable (solid and stranded).</li> </ul>	1613-30	
 <b>Double V</b>	<b>Steel Strand Cat. No.</b>	<b>Wide Range of Cables Cat. No.</b>	
	<ul style="list-style-type: none"> <li>Four-point contact provides greater gripping pressure and assures proper alignment of wire and cable within the jaws.</li> <li>Designed for high strength messenger and guy strand and extra high-strength cables and conductors.</li> </ul>	1613-40, 1684-5, 1684-5H, 1692-5, 1684-74, and 1684-5F	1671-10
 <b>Round</b>	<b>ACSR and AAC Cat. No.</b>	<b>Wide Range of Cables Cat. No.</b>	
	<ul style="list-style-type: none"> <li>Round jaws provide maximum contact and gripping power to minimize conductor deformation. (Smooth and knurled styles).</li> <li>Recommended for use on bare aluminum, and copper conductors.</li> </ul>	1628-30 SERIES 1656-20 1656-30 1656-40 1656-50 1656-60	1685-20 1685-31
 <b>Aggressive</b>	<b>Steel Strand Cat. No.</b>		
	<ul style="list-style-type: none"> <li>Recommended for use when conductor deformation is not an issue or when a more aggressive bite is needed.</li> </ul> 1604-20L 1625-20 (For Wire Rope) 1625-20 7/8 (For Wire Rope)		

## Selecting the Proper Grip

### Grip Recommendation

Klein Tools offers a service of recommending the proper grip for a particular application based on a sample of cable. This service is free of charge. All that we require is a minimum 6-9 foot (2-3 m) length of cable.

If there is ever a question about the safe condition of any grip, please contact Klein Tools New Zealand at **0800 553 466** or [sales@kleintoolsnz.com](mailto:sales@kleintoolsnz.com)

Three basic factors are needed in order to determine the proper grip for each specific application:

- 1. Type of wire or cable**  
(ACSR, ACSS, AAC, Copper, Steel Strand).
- 2. AWG or MCM (diameter) of wire or cable.**
- 3. Maximum safe load required.**



## Recommended Care and Maintenance

### Grip Cleaning, Lubricating and Inspecting

The following guidelines have been established to keep all grips in good working condition.

#### Cleaning



**Step 1.** Use the Klein Grip Cleaning Wire Brush Set (Cat. No. 25450) or emery cloth to clean the surfaces of grip jaws



**Step 2.** Spray degreaser on the grip jaws, all joints and moving parts



**Step 3.** Use the Klein Grip Cleaning Wire Brush to remove dirt and debris from the grip jaws



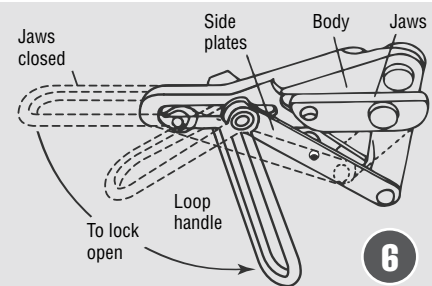
**Step 4.** Wipe grips dry with soft cloth. Repeat all cleaning steps as necessary until grip is completely clean

#### Lubricating



**Step 5.** Apply lubricant to all joints and moving parts. Do NOT lubricate gripping surfaces of jaws

**Step 6.** Carefully inspect jaw condition, proper alignment of jaws and all parts, and possible distortion caused by exceeding safe-load specifications. Grips should operate smoothly. Spring-loaded grips should lock open with loop handle in "Down" position and should close automatically with loop handle "Up." The Klein Parallel Jaw Grip may be tested by opening and closing the jaws by hand, exercising proper caution. All parts and rivets should be checked for distortion



**Note:** Conductors may have a die-grease coating which can deposit on grip jaws. New conductors should be wiped clean before grip application. Grip jaws should be wiped clean of all grease before use.

**Never repair any grip.** Grips that are bent, misaligned, or otherwise distorted should be discarded and replaced.

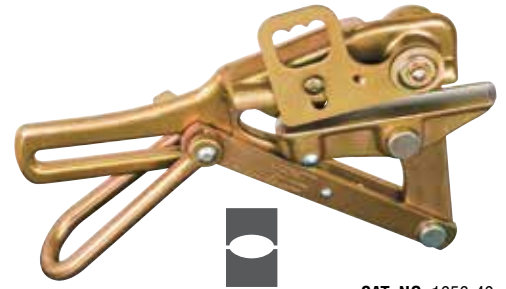
If there is ever a question about the safe condition of any grip, please contact Klein Tools New Zealand Customer Service directly at 0800 553 466 or email: [sales@kleintoolsnz.com](mailto:sales@kleintoolsnz.com)



## Chicago™ Grips

### 1656 Series

- Round, smooth inside jaw contour on this series of grips is ideal for bare ACSR
- Smooth jawed grips with maximum contact are less likely to cause cable deformation



### 2,041 kg Maximum Safe Load

Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Jaw Length	Weight
1656-20 (KE250)	5.08 to 10.16 mm	No	No	No	102 mm	1.2 kg
1656-30 (KE260)	7.87 to 13.46 mm	No	No	No	121 mm	1.5 kg

### 3,629 kg Maximum Safe Load

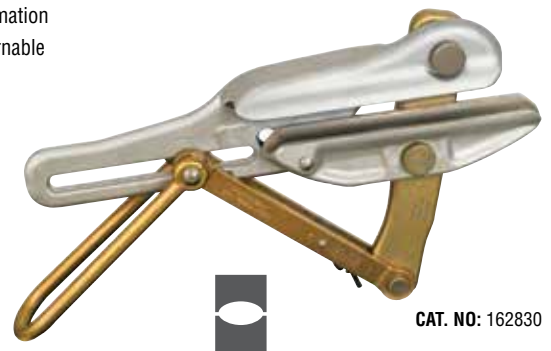
Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Jaw Length	Weight
1656-40	13.46 to 18.80 mm	No	No	No	140 mm	3.4 kg
1656-50	18.80 to 21.84 mm	No	No	No	140 mm	3.4 kg
1656-60	21.84 to 24.38 mm	No	No	No	140 mm	3.5 kg

### 1628 Series

- Round jaws are shaped to provide maximum contact with the cable, virtually eliminating cable deformation
- These grips are special order only; please allow 30 days for delivery; special order grips are not returnable

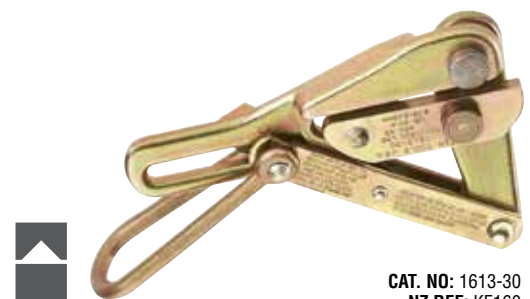
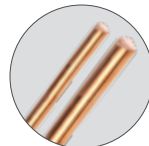
### 9,072 kg Maximum Safe Load

Cat. No.	Cable Diameter Range	Jaw Length	Weight
162830N	21.06 to 22.61 mm	273 mm	12.3 kg
162830O	22.63 to 24.21 mm	273 mm	12.3 kg
162830P	24.23 to 25.78 mm	273 mm	12.3 kg
162830R	25.81 to 27.38 mm	273 mm	12.3 kg
162830S	27.41 to 28.96 mm	273 mm	12.3 kg
162830T	28.95 to 30.55 mm	273 mm	12.3 kg
162830U	30.7 to 32 mm	273 mm	12.3 kg



### Bare Wire-1613 Series

- Designed for working with solid and stranded bare wire from 2 mm to 5 mm
- Lightweight, cost-effective grip
- Single "V" groove jaw



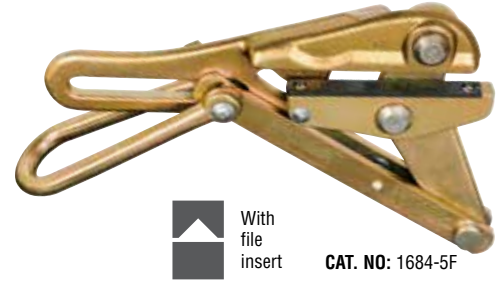
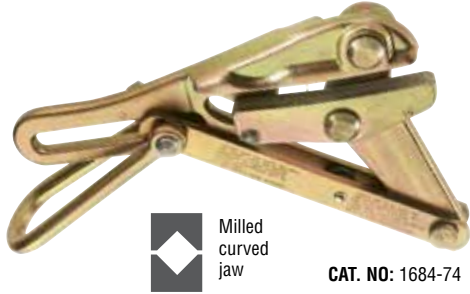
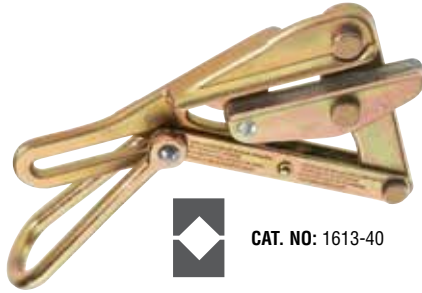
### 680 kg Maximum Safe Load

Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Jaw Length	Weight
1613-30	2.03 mm to 5.08 mm	No	Yes	Yes	76 mm	0.7 kg

# Chicago™ Grips

## Aircraft Cable, EHS (Extra-High-Strength), Messenger and Guy Strand-1613, and 1684 Series

- Designed for cable sizes from 3 mm to 25 mm
- Double V grooves provide four-point contact, reducing chance of slipping and providing proper alignment of wire and cable. Cat. No. 1684-5F is a Single V with file insert.
- Sawtooth jaw profile provides extra gripping power



Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Jaw Length	Weight
<b>2,041 kg Maximum Safe Load</b>						
1613-40 (KE170)	30.05 to 9.40 mm	Yes	No	Yes	106 mm	1.2 kg
1613-40H	30.05 to 9.40 mm	Yes	No	Yes	106 mm	1.43 kg
S1613-40H	30.05 to 9.40 mm	Yes	Yes	Yes	106 mm	1.4 kg
<b>3,629 kg Maximum Safe Load</b>						
1684-5F	4.06 to 13.97 mm	No	Yes	Yes	127 mm	2.9 kg
1684-5	5.54 to 13.97 mm	No	Yes	Yes	127 mm	2.6 kg
1684-5H	5.54 to 13.97 mm	Yes	No	Yes	127 mm	2.9 kg
1692-5	5.54 to 13.97 mm	No	Yes	Yes	127 mm	2.5 kg
<b>3,629 kg Maximum Safe Load – EHS Specific</b>						
1684-74	5.54 to 13.97 mm	No	Yes	Yes	127 mm	2.6 kg



## Steel Strand – Haven's™ Grips

### Messenger and Guy Strand — 1604 Series

- Designed for use when light, compact grip is desired and where cable deformation is not a factor
- Gripping pressure of the knurled jaw is applied to 6.35 mm cable area
- Latch helps hold cable in the jaw



CAT. NO: 1604-20L  
NZ REF: KE140

**2,268 kg Maximum Safe Load**

Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Weight
1604-20L	3.18 to 12.70 mm	No	No	No	1.18 kg



### Wire Rope — 1625 Series

- Designed for use when light, compact grip is desired and where cable deformation is not a factor
- Gripping pressure of the knurled jaw is applied to 6.35 mm cable area
- All 1625 series have a swing latch to help hold cable in the jaw



CAT. NO: 1625-20  
NZ REF: KE180

**3,629 kg Maximum Safe Load**

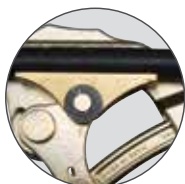
Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Weight
1625-20	7.11 to 19.05 mm	No	No	No	1.6 kg
162520-7/8	9.65 to 22.35 mm	No	No	No	1.5 kg



## Parallel Jaw Grips

### Parallel Jaw Grip — HDPE Coated Cable

- Securely pulls HDPE-coated cable commonly known as "tree wire"
- Innovative high-traction surface grips the cable without damaging the outer jacket
- Tough carbide grit technology withstands even the harshest jobsite conditions



CAT. NO: 1716-60



CAT. NO: 171670

Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Jaw Length	Weight
<b>1,814 kg Maximum Safe Load</b>						
1716-70	15.9 to 34.6 mm	Yes	Yes	No	114 mm	2.3 kg
<b>5,443 kg Maximum Safe Load</b>						
1716-60	17.78 to 33.02 mm	No	Yes	No	130 mm	3.7 kg

See page 186 for additional information on warnings.

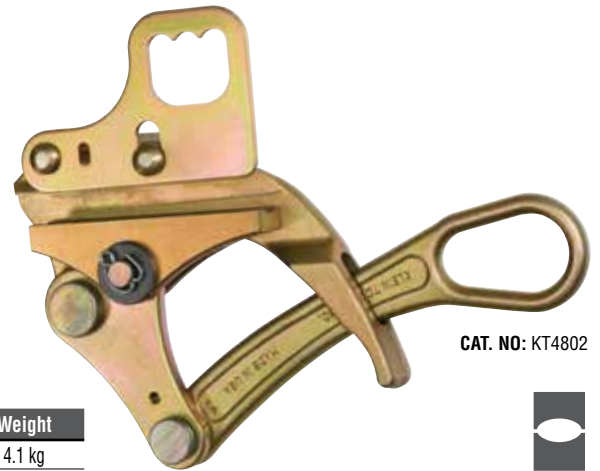


See Wire Pulling Grip Warnings on page 36

## Parallel Jaw Grips

### KT4800 Series

- Features a round serrated jaw
- Hot latch closes automatically to guard against grip accidentally disengaging from wire
- Large opening in the handle to accommodate a wide variety of hooks on hoists, winches and tackle blocks

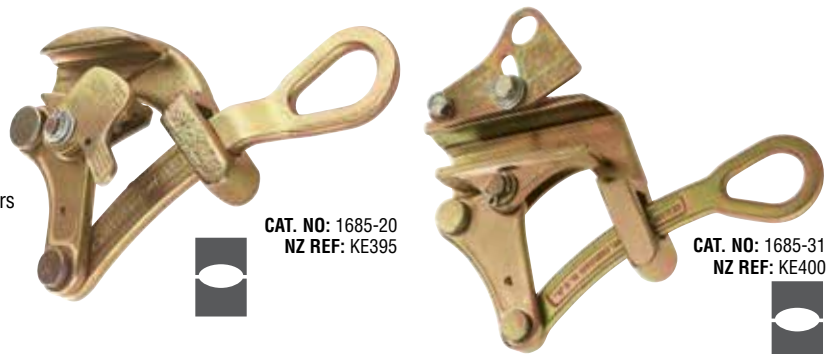


#### 5,443 kg Maximum Safe Load

Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Jaw Length	Weight
KT4802	17.78 to 31.75 mm	Yes	No	No	130 mm	4.1 kg

### Parallel Jaw Grips — 1685

- Lightweight, compact grips pull an exceptionally wide range of cable types and sizes
- Round inside-jaw contour for maximum contact to minimize cable deformation
- Lower jaw is serrated to firmly grip insulated cables and conductors
- Includes a latch that prevents the grip from falling in case of jaw disengagement from the cable
- Large-diameter eye accommodates large hooks on hoists, winches and tackle blocks



Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Jaw Length	Weight
<b>2,041 kg Maximum Safe Load</b>						
1685-20	3.98 to 22.22 mm	No	Yes	No	64 mm	1.2 kg
<b>3,400 kg Maximum Safe Load</b>						
1685-31	15.87 to 31.75 mm	Yes	Yes	No	144 mm	2.2 kg

### Parallel Jaw Grips — 1671-10

- Longer jaws achieve a firm hold, reducing potential deformation to cable
- Designed with a Double V jaw contour, a latch, plus a large-diameter eye that accommodates large hooks on hoists, winches, and tackle blocks
- When latch is closed, it helps maintain cable position in grip jaws



#### 4,536 kg Maximum Safe Load

Cat. No.	Cable Diameter	Hot Latch	Spring	Locking Handle	Jaw Length	Weight
1671-10	9.40 to 19.05 mm	No	No	No	111 mm	2.0 kg

# HVAC and Construction

---

These job-matched tools are proven to stand the test of time with superior results.



For Professionals...  
Since 1857™

## Cutting, Crimping & Notching Tools

### Snap Lock Punch

- Drop-forged steel jaw easily punches 10 mm wide impressions on metal edges to easily join pieces of sheet metal, duct or pipe
- Compound-leverage mechanism for greater control and easy operation
- Comfortable, contoured grips cover hardened steel handles
- All-steel construction and nickel-chrome plated hardware provides long life and durability
- Convenient self-opening latch for one handed operation
- For use on sheet metal and vinyl and aluminum siding
- Quality tool for HVAC professionals provides superior results



CAT. NO: 86528

Cat. No.	Overall Length	Handle Color	Weight
86528	213 mm	Blue/Gray	0.5 kg

### Hand Notcher

- Cuts 30-degree V shapes in sheet metal quickly and easily to make corners
- Drop-forged, high impact steel jaw with 21 mm maximum throat depth
- Jaw's hook design allows easy notching of corners and take-off tabs without slippage
- For up to 24 gauge steel and 26 gauge stainless steel
- Comfortable, contoured grips cover hardened steel handles
- All-steel construction and nickel-chrome plated hardware provides long life and durability
- Convenient self-opening latch for one handed operation
- Designed for HVAC professionals who want superior results



CAT. NO: 86526

Cat. No.	Overall Length	Handle Color	Weight
86526	232 mm	Blue/Gray	0.5 kg

### 5-Blade Crimper

- Produces factory-precision indentations in stove pipe and round duct with just a squeeze
- Compound-leverage mechanism makes precise indentations
- Crimps 24 gauge steel and 28 gauge stainless steel
- All steel construction with nickel-plating provides long life and durability
- Comfortable, contoured grips cover hardened steel handles
- Convenient self-opening latch for one-handed operation
- Quality tool for HVAC professionals provides superior results



CAT. NO: 86520

Cat. No.	Crimps	Overall Length	Handle Color	Weight
86520	24 Gauge CRSM and 28 Gauge SSSM	260 mm	Blue/Gray	0.5 kg

## Cutting, Crimping & Notching Tools

### Duct Cutter with Wire Cutter

- All-steel double edge blade easily cuts fiber board, fiberglass lined, and flexible ducts
- Built-in wire cutter for convenience
- Compound leverage mechanism for easy wire cutting
- Comfortable, contoured grips cover hardened steel handles
- All-steel construction and nickel-chrome plated hardware provides long life and durability
- Convenient self-opening latch for one handed operation
- Designed for HVAC professionals who want superior results



CAT. NO: 89554

Cat. No.	Blade Length	Overall Length	Handle Color	Weight
89554	118 mm	319 mm	Blue/Gray	0.5 kg

## Seaming & Folding Tools

### Seamers - Straight and Offset

- Compound-leverage mechanism easily and accurately bends, seams, and flattens sheet metal and non-ferrous metals
- Jaw marked in 6 mm increments for precise bending measurements
- All-steel construction and nickel-chrome plated hardware provide long life and durability
- Vinyl grips with handle stops for added comfort and easy operation
- Straight-handle model is used for most general applications
- Offset-handle model is for use in overhead or confined areas
- Broader jaw model for forming wider folds
- Folds 22 gauge and 24 gauge stainless steel



CAT. NO: 86522



CAT. NO: 86524



Cat. No.	Type	Overall Length	Jaw Size	Handle Color	Weight
86522	Straight-Hand Seamer	219 mm	76 mm	Blue/Gray	0.7 kg
86524	Offset-Hand Seamer	137 mm	76 mm	Blue/Gray	0.7 kg





# Folding Jab Saw

**Durable, carbon steel blade**  
cuts on both push and pull strokes

**Comfortable, Non-slip grip handle**

**Lanyard hole** for tethering

**Blade securely locks** at 125° and 180°

**Lockback mechanism** allows blade to be as sturdy as a fixed blade saw

**Cushioned butt-end** for easier palming of the saw

**Triple ground teeth** for faster cutting

**DESIGNED TO CUT**

- Drywall
- Plywood
- Other construction materials
- Wallboard
- Plastic

Cat. No.	Blade Length	Overall Length	Weight
31737 (KL31737)	132 mm	303 mm	0.25 kg

## Jab Saw

- Triple ground teeth cut drywall, wallboard, plywood and plastic
- Blade cuts in both directions (push and pull)
- Hardened, beveled blade point for scoring and plunge cuts
- Comfort cushion grip with thumb groove
- Flat-end grip for palming or punching through drywall



CAT. NO: 725  
NZ REF: KL5164

Cat. No.	Blade Length	Overall Length	Weight
725	152 mm	305 mm	0.14 kg

## High-Tension Hacksaw

- Adjustable blade tension up to 30,000 PSI for fast, precise cuts
- Soft-touch grips
- Alternative 45° mounting for flush cutting
- Front mount for reciprocating saw blades
- Blade storage in handle
- Includes 305 mm x 24 TPI bi-metal hack saw blade and 153 mm x 24 TPI bi-metal reciprocating saw blade



CAT. NO: 702-12

Cat. No.	Blade Length	Overall Length	Weight
702-12	305 mm	413 mm	0.7 kg

## Adjustable Hole Saw

- Quickly and smoothly cuts cleaner holes in drywall and ceiling tiles
- Blades adjust to cut holes from 51 to 178 mm in diameter
- Fits most 10 mm and 13 mm drill chucks
- No binding while cutting
- No additional tools needed to adjust the hole saw
- Dust shield catches ceiling debris (2 included)
- Hex key included



CAT. NO: 53731

Cat. No.	Range	Weight
53731	51 mm to 178 mm	149.6 g





## Flexible Drill Bits

### Flex Bit Kit

- 3-piece kit includes folding placement tool, 13 mm - 14 mm O.D. pulling grip and 14 mm x 1.4 m flexible drill bit
- Everything you need to pull up to 14 mm O.D. wire
- Complete kit used for drilling and pulling wire and cable
- Use placement tool to guide bit through walls
- Flexible drill bit makes 14 mm holes in wood
- Pulling grip attaches to the flexible drill bit after the hole has been made and pulls 13 mm - 14 mm wire and cable



CAT. NO: 53721

Cat. No.	Kit Contains	Weight
53721		0.9 kg
Cat. No.	Description	
53715SEN	Flex Bit Placement Tool	
53718	Flex Bit Auger 14 mm x 1.4	
KPS050SEN	Wire Pulling Grip 13 mm to 14 mm	

### Flex Bit Extension

- Connects to the end of a flex bit and extends the length
- For use with flex bits 3/4-Inch (19 mm) and larger
- Connection diameter is 5/8-Inch (16 mm)
- Ideal in applications where additional drill bit length is required, such as drilling between walls or several rafters



CAT. NO: 53722

Cat. No.	Connection Diameter	Overall Length	Weight
53722	16 mm	137 cm	0.5 kg

## PVC Cutters

### Ratcheting PVC-Cutters

- Provide straight cuts I.D. 13 mm - 32 mm, O.D. 16 mm - 41 mm of white and gray schedule 40 and 80 PVC
- Quick, one-handed blade release
- Ratchet action allows easy, one-hand cutting
- No tools required for instant blade change
- Replacement blade and pin available



Cat. No.	PVC Cutting Capacity	Overall Length	Weight
50031	I.D. 13 mm to 32 mm; O.D. 16 mm to 41 mm	229 mm	0.5 kg

CAT. NO: 50031

**⚠ WARNING:** Do NOT cut cold PVC.

**⚠ WARNING:** Do NOT use to cut metallic pipes, cable or wire.

## Construction Tools

### Broad Head Podger Pins

- Forged, heat-treated bull pin increases efficiency by providing a larger striking surface
- Angled head and smooth blending of radii increase strength and reduce the danger of chipping
- Below the head, squared-off shoulders have been forged to provide a surface for applying wrench to loosen wedged bull pins
- Added resistance to “mushrooming” permits much longer use than conventional designs and the even taper reduces binding and hang-up



CAT. NO: 3255

Cat. No.	Overall Length	Diameter	Point Diameter	Weight
3255	349 mm	32 mm	8 mm	1.3 kg
3256 (KE3256)	254 mm	27 mm	6 mm	0.7 kg

### Tie-Wire Reel

- Klein's redesigned tie-wire reel allows loading pre-coiled tie wire onto the reel without having to remove the cover
- Rugged, lightweight reel is smooth aluminum alloy with wear parts made of steel
- Designed for left or right hand use
- Large, comfortable rewind knob



CAT. NO: 27400

Cat. No.	Overall Width	Dimensions	Weight
27400	71 mm	159 mm Diameter x 71 mm Width	1.1 kg

### Tie-Wire Reel Pad

- Worn on the belt under the Klein® tie-wire reel (Cat. No. 27400)
- Made of 5 mm thick rigging leather
- Underside has a sponge-rubber pad to minimize hip fatigue



CAT. NO: 27450

Cat. No.	Belt Connection	Belt Width	Overall Length	Overall Width	Overall Height	Weight
27450	Slotted	51 mm	178 mm	178 mm	19 mm	0.14 kg

Tie-wire reel and ironworker's heavy-duty tie-wire belts also available.

### Grizzly™ Bar



CAT. NO: 64306

- A heavy, strong, multi-purpose tool that saves time and effort on the job
- The 76 mm width protects concrete when stripping forms
- Efficient blade angle and 1.4 m total length provide high leverage as a crow bar, as well as a nail and spike puller
- Blade is forged and hardened alloy with keyhole nail-pulling slot in center and "V" notch in tapered edge
- Can be used to help align walls during tilt-up construction, to roll and align large pipe, to remove shingles and flooring, and for many other stripping and prying tasks

Cat. No.	Overall Length	Body Diameter	End	Weight
64306	1.4 m	38 mm	60°	5.4 kg

**WARNING:** Always wear approved personal protective equipment.



# Conduit Benders

**Exclusive design** reduces rippling and ovaling of conduit

**Wide foot pedal** provides excellent stability, leverage and comfort

**Interior clamp** securely holds conduit while cutting with hacksaw

**Interior hook surface** prevents conduit from rolling or twisting during bends

**Easily visible arrow** for ease of alignment on conduit marks

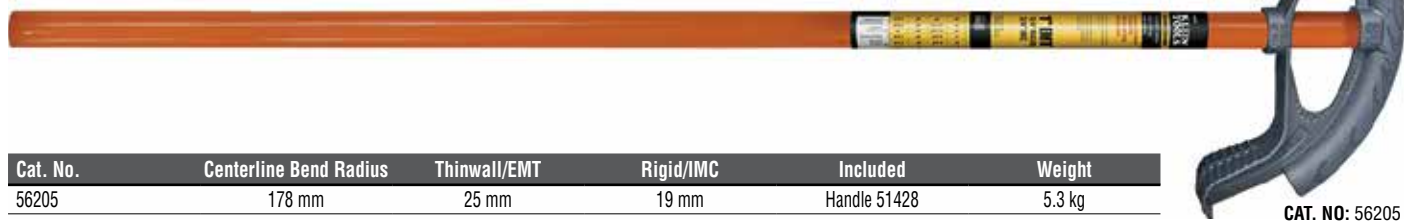
**Bold cast-in symbols**, degree scales, multiplier scales and center of bend marks help save time on the job



## Iron Conduit Benders

Includes core conduit bender features plus:

- Bright orange color handle is easy to spot on the jobsite



Cat. No.	Centerline Bend Radius	Thinwall/EMT	Rigid/IMC	Included	Weight
56205	178 mm	25 mm	19 mm	Handle 51428	5.3 kg

CAT. NO: 56205

## Tube Benders & Cutters

### Professional 4-in-1 Tube Bender

- Bends four popular tube sizes
- Calibrated markings for accurate left-hand, right-hand, and offset bends up to 90°
- For soft copper, aluminum, and steel tubing
- Bends 5 mm, 6 mm, 8 mm, and 10 mm O.D. tubing



CAT. NO: 89030

Cat. No.	Overall Length	Weight
89030	354 mm	0.5 kg

### Professional Tube Cutter

- Accurate 4 roller tracking system - no spiraling
- Professional reaming tool for stainless steel tubing
- Extra cutting wheel included in handle



CAT. NO: 88904

Cat. No.	Cutting Capacity	Overall Length	Weight
88904	3 mm to 35 mm Steel and Copper Tubing	153 mm	0.6 kg

See page 186 for additional information on warnings.



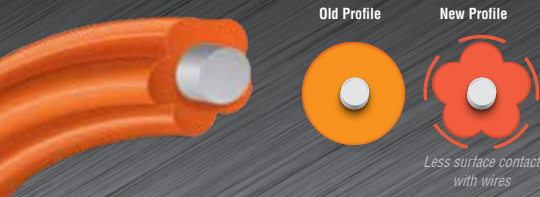
# Fish Tapes



**Unique sloped handle** optimizes hand position for quick hand-over-hand rewinds

**Raised finger grips** transfer 100% of the winding power from your hand and fingers

**Multi-Groove Fish Tapes** have multiple grooves molded into the fiberglass tape



**Polypropylene case and handle** offer the maximum in impact resistance

**Round inner ring design** provides a smooth, surface for winding and rewinding

**Available in steel and fiberglass** with a wide variety of tips

## Fiberglass Fish Tapes

- Strong S-Glass fiberglass fish tape material provides better pushing power and long life while maintaining its low-friction exterior and maneuverability
- Case design decreases payout effort and friction by optimizing the tape payout angle
- Slip-resistant housing geometry improves winding power and reduces binding
- Multi-position handle gives you a firm, steady grip as you pull or rewind the tape
- Durable 7-Inch spiral steel leader helps push through crowded conduit
- Descending laser etched markings in 1-Foot (0.3 m) increments allow you to more accurately measure conduit runs and the amount of tape left to pay out
- Polypropylene case and handle offer high impact resistance



CAT. NO: 56350

Cat. No.	Tape Material	Tape Length	End/Leader	Overall Dimensions	Weight
56350	Fiberglass	15 m (50 ft)	Spiral Steel Leader	4.7 x 31.4 x 41.2 cm	1.3 kg

## Multi-Groove Fiberglass Fish Tapes

Includes core fish tape features plus:

- Rigidity for long distance
- Less surface contact when pushing through crowded conduit for smoother tape feeding
- Durable 178 mm leader helps push through crowded conduit
- Available resin eyelet for total non-conductivity



CAT. NO: 56382  
NZ REF: KL56382

Cat. No.	Tape Material	Tape Length	End/Leader	Overall Dimensions	Weight
56382	Multi-Groove Fiberglass	15 m (50 ft)	Nylon Eyelet	4.7 x 31.4 x 41.2 cm	1.2 kg

## Fish & Glow Rod Set

- Extra durable, lightweight and available in a variety of lengths and flexibilities
- Five 1/4-Inch (6 mm) diameter fish rods and one 3/16-Inch (5 mm) diameter glow rod assemble to a full 25-feet (7.62 m)
- Five rods with durable 5/16-Inch diameter stainless steel connectors and one rod with 1/4-Inch diameter stainless steel connectors



CAT. NO: 56325

Cat. No.	Diameter	Included
56325	6.4 - 4.8 mm (1/4" - 3/16")	(5) 4' (1.2m) Lo-Flex Fish Rods, (1) 5' (1.3m) Mid-Flex Glow Rod with Bullet Nose and Hook Attachments



# PPE & Safety Products

---

As important as tools are, personal protective equipment and safety gear are the foundation at any job. Klein Tools is committed to building the best safety gear to keep you safe from head to toe and be sure that you can keep working every day.



For Professionals...  
Since 1857™

### Klein Cooling Towel

- Advanced PVA cooling technology
- Feels cooler than ambient air temperature
- Activates quickly; under a minute!
- Stays cool for hours
- Multi-use; reactivate several times
- 13-Inch x 29.5-Inch (330 mm x 749 mm)
- To activate or re-use, wet the towel and gently wring out the excess water
- Machine or hand wash with mild detergent; air dry only
- Store damp in storage tube with cap off for daily use



CAT. NO: 60090



CAT. NO: 60093

Cat. No.	Colour	Material	Overall Width	Overall Length
60090	Blue	PVA	33 cm (13")	74.9 cm (29.5")
60093	Gray			

### Neck and Face Cooling Band

- This cooling band is designed using super evaporative performance knit fabric
- Secure fit and won't unravel with sewn elastic ends
- Anti-odor treatment for long lasting freshness
- Seamless, moisture-wicking fabric can be worn wet or dry
- When wet, cooling is instant and can last for hours
- UPF 50+ sun protection from harmful UV rays
- Versatile cooling band can be worn many ways
- Can be worn by itself or under a hard hat
- One Size Fits Most
- Reflective accents
- Machine washable
- Also available in High-Visibility Yellow (Cat. No. 60465)



Finished elastic edges

Soft, stretchable knit material

Moisture wicking fabric; wear wet or dry

Anti-odour treatment

UPF 50+ protection from harmful UV rays



CAT. NO: 60439

Cat. No.	Colour	Material	Overall Width	Overall Length
60439	Blue	92% Polyester, 8% Spandex	25.4 cm (10")	50.8 cm (20")
60465	High-Visibility Yellow			



60465

### Neck and Face Warming Half-Band, Black

- Top portion of warming band covers the face and has two layers of protection
- Moisture wicking knit fabric on top portion has anti-odor treatment for freshness
- 270-Gram fleece on bottom portion for warmth in cold conditions
- Secure fit and won't unravel with sewn elastic edge
- One size fits most
- Reflective accents
- Machine washable



CAT. NO: 60466

Cat. No.	Description	Color	Material	Overall Length
60455	Neck and Face Warming Band	Black	Exterior: 92% Polyester, 8% Spandex; Interior: 90% Polyester, 10% Spandex	20" (50.8 cm)
60466	Neck and Face Warming Half-Band		Top Portion: 92% Polyester, 8% Spandex; Bottom Portion: 90% Polyester, 10% Spandex	12" (30.5 cm)

## Lightweight Gel Knee Pads

- Lightweight knee pads have slip resistant rubber caps to grip kneeling surface for enhanced stability and balance
- Pressure dispersed with gel and EVA foam that cushions the knee
- Fatigue reduced by gel design that also provides lightweight comfort and protection
- Bottom strap is webbed
- Top strap is elastic
- Cinch-tight straps provide comfortable, snug fit
- Clips hold tight and keep straps secure



CAT. NO: 60184

Cat. No.	Material	Closure Type	Overall Length	Overall Height	Overall Width
60184	TPE 40%, Neoprene 20%, EVA Foam 20%, Polyester 15%, Nylon 5%	Clip	152 mm (6")	305 mm (12")	152 mm (6")

## Tradesman Pro™ Knee Pads

- Five layers of impact resistant material for protection and comfort
- For comfort: an inner fabric layer of neoprene, an over-sized impact-absorbing gel layer, a molded polyurethane foam layer
- For protection: a super-tough 600d outer fabric layer, a protective outer shell with stabilizing non-slip surface
- Single strap doesn't bunch behind your leg
- Quick-fasten buckle



CAT. NO: 55629

Cat. No.	Material	Overall Length	Overall Height	Overall Width
55629	Neoprene/Polyurethane	88.9 mm (3.5")	241.3 mm (9.5")	190.5 mm (7.5")

## Tradesman Pro™ Kneeling Pad

- 1" (25.4 mm) thick, resilient NBR foam protects your knees
- Kneeling pad won't stay compressed, it bounces back to original form
- Chamfered safety edge with orange stripes provides visual and tactile awareness of edge (Cat. No. 60136)
- Large size allows you to move without moving the pad each time
- Built-in handle allows convenient transport or hanging
- Closed-cell foam is resistant to petroleum and is silicone-free
- Use kneeling or standing; great for anti-fatigue
- Water repellent
- Indoor or outdoor use; hand washable



CAT. NO: 60135  
NZ REF: KL60135



CAT. NO: 60136  
NZ REF: KL60136

Cat. No.	Description	Material	Colour	Overall Length	Overall Width	Overall Height
60135	Tradesman Pro™ Standard Kneeling Pad	NBR Foam	Black	533 mm (21")	25.4 mm (1")	355 mm (14")
60136	Tradesman Pro™ Large Kneeling Pad	NBR Foam	Black	711 mm (28")	25.4 mm (1")	406 mm (16")



### Tradesman Pro™ Shoe Covers, Large

- High quality, durable nylon construction
- Water resistant
- High traction, slip resistant soles (exceeds 0.5 COF per ASTM D1894)
- Reusable; 6-9 month average lifespan with daily use
- Easy on and off
- Machine wash cold, air dry
- 1 black pair per package
- Proudly Made in the USA with Global Components



CAT. NO: 55488

Cat. No.	Colour	Size	Package Quantity
55488	Black	Extra Large: Fits Men's Boot 13.5-17	1 Pair
55489	Black	Large: Men's Boot 10.5-13 or Women's Boot 11 and Up	1 Pair

### Klein Kleeners® Hand Cleaning Towels

- Simple and convenient pre-moistened towels
- Powerful, yet gentle pumice-like cleaning action
- Quickly loosens, dissolves, and absorbs dirt and grease
- Features a natural citrus solvent that's gentler than petroleum-based hand cleaners
- For additional information, read the Material Safety Data Sheet for this product



CAT. NO: 51425  
NZ REF: KL5142

Cat. No.	Towel Size	Package Quantity
51425	228.6 mm x 304.8 mm (9" x 12")	72

## Tool Tethers

### Tool Tether, 10-Pound Maximum Load

- Keep your tools close at hand when working at height
- Maximum working capacity of 10-pounds (4.5 kg)
- Relaxed length of 32-Inches (812.8 mm)
- Stretched length of 60-Inches (1524 mm)



CAT. NO: TT1



Cat. No.	Hook Material	Hook Type	Cable Material	Maximum Load Capacity	Relaxed Length	Stretched Length
TT1	Steel	Carabiner	Polypropylene	4.5 kg (10lb)	81.3 cm (32")	152.4 cm (60")

### Triple-Locking Tool Tether, 15-Pound Max

- Keep your tools close at hand when working at height
- Maximum working capacity of 15-pounds (7 kg.)
- Triple-locking carabiner for additional security
- Relaxed length: 32-Inches (813 mm)
- Stretched length: 51-Inches (1295 mm)



CAT. NO: TT2

Cat. No.	Hook Material	Hook Type	Cable Material	Maximum Load Capacity	Relaxed Length	Stretched Length
TT2	Aluminium Alloy	Triple-Locking Carabiner	Nylon Webbing	6.8 kg (15lb)	81.3 cm (32")	129.5 cm (51")



# Levels and Measuring Tools

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Quick, easy and accurate measurements can mean the difference between a job well done and one that misses the mark. Klein offers a variety of levels and other measuring devices that will help you measure up any task.



For Professionals...  
Since 1857™

## Levels

### Aluminum Torpedo Levels

- Aluminum frame with orange body for added visibility and durability
- Locking track prevents powerful rare-earth magnets from falling out
- Top V-groove fits contour of pipe
- Large high-visibility vials are easy to read



CAT. NO: 935R  
NZ REF: KL9319

Cat. No.	Number of Vials	Type of Vials	Overall Length	Weight
935R	3	0°, 90°, 45°	9" (228.6 mm)	0.53 lb (0.24 kg)

### Torpedo Level

- Strip magnet bottom holds securely to conduit and metal surfaces
- High-visibility orange level won't get lost on conduit
- Large high-visibility vials are easy to read
- Top V-groove fits contour of pipe



CAT. NO: 935

Cat. No.	Number of Vials	Type of Vials	Overall Length	Weight
935	3	0°, 90°, 45°	229 mm	0.12 kg

### Torpedo Billet Level, Rare Earth Magnet

- Level's patented magnet track prevents powerful rare earth magnets from falling out
- Large, easy-to-read high-visibility vials at 4 angles: level, 90, 45, and 30 degrees
- Large, top-view vial window enables easy readability from multiple angles
- V-Groove fits contour of conduit and pipe
- Tapered nose easily pushes into pockets
- US Patent 9,964,407



High-visibility orange body is easy to see on conduit and at the jobsite

CAT. NO: 935RB

Cat. No.	Number of Vials	Type of Vials	Overall Length	Weight
935RB	4	0°, 90°, 45°, 30°	203 mm	0.21 kg

### Bubble Level

- Level's adjustable vial allows angle transfer between multiple surfaces
- Patented magnet track keeps powerful rare earth magnets in place
- Top V-Groove fits contour of conduit and pipe
- High visibility vials with reinforced housing
- Durable rubberized end caps increase drop protection at 9.9-Foot (3 m)
- Vial accuracy is +/- 0.029°
- Protrusions on rubber end caps help prevent movement while on walls
- US Patent 9,964,407



Cat. No.	Number of Vials	Type of Vials	Overall Length	Weight
935L	3	0°, 90°, Adjustable	610 mm	0.87 kg



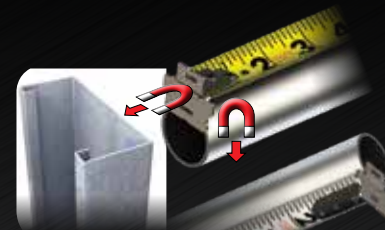
CAT. NO: 935L

## Magnetic Tape Measures

UNCLUTTERED,  
EASY-TO-READ  
**BOLD LINES**

**EXTRA-LARGE  
BOLD NUMBERS**  
FOR IMPROVED  
READABILITY

**Magnetic end hooks with dual angle polarity**  
attaches to conduit and steel studs to easily  
read from above or below



Up to 4m  
**STAND-OUT**

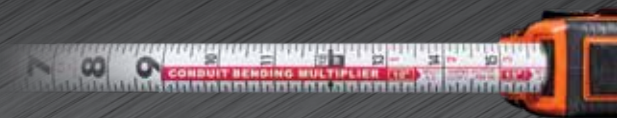
**Retraction Speed Brake**  
controls blade speed and  
protects fingers from having  
to touch blade



Cat. No.	Tape Length	Measurement Scale	Hook	Magnetic	Tape Print
86000	9 m	Metric	Double	Yes	Double-sided
9375	7.5 m	Metric & Imperial	Double	Yes	Double-sided

**⚠ WARNING:**

- Protect hands when cleaning magnetic tip end. Use gloves or cloth.
- Avoid magnetic contact with sensitive electronic or computer equipment.
- To avoid personal injury and damage to this tool, do not allow the tape blade to retract into case.
- Do NOT open case. Spring motor is under tension, and opening case may cause injury.



**Blade-printed conduit multiplier bending table**  
helps calculate offsets and saddles

## Digital Angle Gauge and Level

- This Digital Angle Gauge and Level can measure or set angles, check relative angles, or can be used as a digital level
- High visibility reverse contrast display improves visibility in dimly lit work environments
- Strong magnetic base to attaches to conduit, pipes, saw blades, vents, ducts, and other ferromagnetic surfaces
- V-groove edges enable optimal alignment on conduits and pipes for bending and alignment
- 0 to 90-Degree and 0 to 180-Degree measurement ranges facilitate multiple and diverse applications
- 0 to 180-Degree range is useful when accounting for kickback in pipe bending applications when bending to 90-Degree or more
- Display auto-rotates when upside-down for easy viewing
- Water and dust resistant with rating of IP42
- Soft carrying case and two AAA batteries included



CAT. NO: 935DAG

Cat. No.	Accuracy	Overall Length	Overall Height	Overall Width
935DAG	±0.1° from 0° to 1°, 89° to 91°, 179° to 180°; ±0.2° at All Other Angles	60 mm (2.36")	56 mm (2.2")	30 mm (1.2")



**0-180° Range** is useful when accounting for kickback in pipe bending applications when bending to >90°.

**0-90° & 0-180° Measurement Ranges** facilitate multiple and diverse applications for electrical, plumbing, HVAC, carpentry and more.

See page 186 for additional information on warnings.



# Cross-Line Laser Levels

**NEW**  
Product

Self-leveling,  
easy-to-read  
**horizontal  
& vertical**  
laser lines

**IP54:** water and dust resistant

**Integrated magnetic 360° mounting bracket** with 1/4" and 5/8" tripod mounting threads



**Projects horizontal and vertical lines** independently or together for various alignments

**Plumb spot lasers** to pinpoint overhead locations

## Laser Line Levels

- Self-leveling laser level is easy-to-read with horizontal and vertical laser lines and red plumb spot lasers
- Projects horizontal and vertical lines independently or together to address various alignment tasks
- Integrated magnetic 360-Degree mounting bracket with 1/4-Inch and 5/8-Inch tripod mounting threads
- Magnetic bracket facilitates attachment to ferromagnetic objects such as steel studs, doors, beams or electrical panels
- Additional mounting clamp attachment for use on ceiling grid applications
- Low battery indicator and easily accessible battery compartment
- Water and dust resistant (IP54)
- Hard plastic carrying case included

**CAUTION**  
LASER RADIATION:  
DO NOT STARE INTO BEAM  
Max. Output <math>\leq 1\text{mW}</math>  
Wavelength: 630-670nm  
CLASS II LASER PRODUCT



Cat. No.	Laser Colour	Plumb Laser	Accuracy	Overall Length	Overall Height	Overall Width	Weight
93LCLS (KL93LCLS)	Red	Yes	$\pm 2$ mm per 10 m	67 mm	127 mm	133 mm	0.7 kg without Batteries
93LCLG (KL93LCLG)	Green	Yes	$\pm 2$ mm per 10 m	64 mm	127 mm	135 mm	0.7 kg without Batteries

## Laser Measuring

### Laser Distance Measurer

- Meter provides measurements up to 30 m in distance, at an accuracy of + or - 1.6 mm
- Quickly calculates length, area, volume, and indirect measurements with large, easy-to-read buttons
- Offers the option of one-touch, single-distance measurement and continuous measurement
- Depth gauge stick flips out to measure from inside corners or channels
- Highly visible backlit display
- Provides both fractional (imperial) and metric readings
- Memory stores last 20 measurements
- Includes handy carrying pouch to keep until safe when not in use

Cat. No.	Batteries	Overall Length	Overall Height	Overall Width	Weight
93LDM65	2 x AAA	35 mm	114 mm	51 mm	0.15 kg



**CAT. NO:** 93LDM65  
**NZ REF:** KL93LDM65





# Illumination

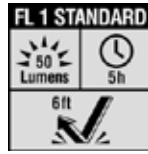
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The Klein Tools Illumination range provides you the tools to make your life easier and more efficient on and off the jobsite. From hands-free lighting solutions such as headlamps and worklights to handheld flashlights and penlights, you can find the right tool to light your way.

For Professionals...  
Since 1857™

### Work Light

- Swivel hook and magnet for hands free use
- Three AAA batteries included

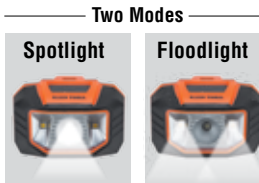


CAT. NO: 55437  
NZ REF: KL55437

Cat. No.	Lumens	Batteries	Battery Life	Drop Protection	Weight
55437	50	3 x AAA	5 hrs.	1.8 m	0.09 kg

### Headlamp

- Anti-slip silicone strap keeps headlamp securely fastened to hard hat
- Strap comes pre-adjusted for quick fit to hard hat
- 45-degree tilt for varied beam direction to point light where it is needed most
- Two modes: High (spotlight) and Low (floodlight)
- 3 x AAA batteries included



CAT. NO: 56220  
NZ REF: KL56220

Cat. No.	Lumens	Batteries	Battery Life	Drop Protection	Weight
56220	Spotlight - 150, Floodlight - 50	3 x AAA	Spotlight - 6 hrs., Floodlight - 10 hrs.	1.8 m	0.14 kg

### Rechargeable Headlamp with Strap, 400 Lumen All-Day Runtime, Auto-Off

- Rechargeable 400 lumen Auto-Off LED Headlamp has 3 modes: All-on/Boost at 400 lumens for 4 hours, Spotlight at 200 lumens for 12 hours, and 22 hour runtime Floodlight at 100 lumens
- Headlamp automatically turns off after 3 minutes in bright light via auto-sensing technology, extending battery life (feature can be disabled by holding the power button for 10 seconds)
- Battery gauge indicates level of battery life with colored LED lights
- Smartly designed headlamp bracket also attaches directly to Klein® Hard Hats (those equipped with bracket system)
- Slim profile with pivoting mount to allow up to a 64-Degree lighting angle
- Adjustable woven fabric strap with silicone grip secures to headlamp onto head, hard hat, or cap
- Light can be easily removed from bracket for recharging
- Rechargeable via micro-USB port (cable included)
- Durable headlamp: drop-test rating of 6-Foot, dust and water resistant



CAT. NO: 56048

Cat. No.	Lumens	Battery Life	Batteries	Drop Protection	Weight
56048	Boost: 400; High: 200 Low: 100	Boost: 4 hrs High: 12 hrs Low: 22 hrs	Lithium-Ion	1.8 m	91 g



## LED Flashlight with Worklight

- Bright, focused flashlight and broadcasting work light in one tool
- LED light features a strong magnet for secure, hands-free illumination
- Glow ring tip charges while the light is on and allows for easy retrieval in the dark and in your tool bag
- Waterproof (IP67) and dustproof
- Flashlight: 235 lumens for 6 hours; Worklight: 100 lumens for 12 hours
- Pocket clip for easy, convenient access
- Aluminum body with cushion-grip handle
- 3 x AAA batteries included



CAT. NO: 56028

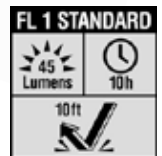
Cat. No.	Lumens	Batteries	Battery Life	Drop Protection	Weight
56028	Flashlight: 235 Worklight: 100	3 x AAA	Flashlight: 6 Hours Worklight: 12 Hours	3m	0.15 kg

## Inspection Penlight with Laser

- LED penlight for up-close lighting in dim areas
- Laser pointer aids in pinpointing objects in out-of-reach locations
- Glow ring tip charges while the light is on and allows for easy retrieval in the dark
- Pocket clip for easy, convenient access
- Aluminum body with cushion-grip handle



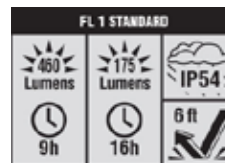
CAT. NO: 56026  
NZ REF: KL56026



Cat. No.	Lumens	Batteries	Battery Life	Drop Protection	Weight
56026	45	2 x AAA	10 hrs.	3 m	0.08 kg

## Rechargeable Personal Work Light

- Versatile Rechargeable Personal Work Light stands, hooks, hangs, and mounts magnetically
- LED Light modes are High: 460 Lumens for 9 hours, and Low: 175 Lumens for 16 hours
- Able to charge smartphones and other small devices via USB-A
- Infinite light direction; head rotates 360 degrees while the kickstand rotates 270 degrees
- Kickstand features strong magnets for mounting, three nail notches, and a built-in carabiner for easy hanging
- Gauge indicates battery life in 25-Percent increments
- Rechargeable via Micro-USB cord (included)
- Easy to find glow locator recharges when lit
- Durable light has a 6-Foot drop test rating and is IP54 water and dust resistant

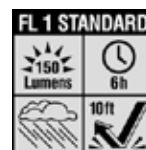


CAT. NO: 56403  
NZ REF: KL56403

Cat. No.	Lumens	Battery	Battery Life	Drop Protection	Weight
56403	High: 460, Low: 175	Lithium-Ion 18650	High: 9 hrs, Low: 16 hrs	1.8 m	0.22 kg

## Clip Light

- Rugged, durable rubber overmold for safe and comfortable grip
- Hands-free options: magnetized clip for mounting to magnetic surface or clip for shirt or pocket
- Two modes: High/Low
- Impact and water resistant



MAGNETIZED CLIP  
on back of light



CAT. NO: 56221  
NZ REF: KL56221

Cat. No.	Lumens	Batteries	Battery Life	Drop Protection	Weight
56221	High: 150, Low: 50	3 x AAA	High: 6 hrs. Low: 10 hrs.	3 m	0.05 kg

# Storage

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Tool bags from Klein come in a wide variety of shapes and sizes to match the diverse tools and accessories professionals use every day.



For Professionals...  
Since 1857™



# TRADESMAN PRO™

**Durable, versatile, functional and designed with the tradesperson in mind.**

**Most Tradesman Pro™ bags have these core features**



## Electrician's Backpacks

**Includes core Tradesman Pro™ features plus:**

- Wide opening fits power drills, meters, flashlights, etc.
- Large front pocket easily fits cables and tools
- Polyester upper pocket (Cat. No. 55597) and hard molded pocket to protect safety glasses, meters, etc. (Cat. No. 55421BP-14)
- Shoulder strap with extra padding
- Longer pockets for screwdrivers
- Reflective shoulder and front strips (Cat. No. 55597)



**CAT NO:** 55421BP-14  
**NZ REF:** KL55421BP



**CAT NO:** 55421BP-14CAMO  
**NZ REF:** KL55421BP14CAMO



**CAT. NO:** 55597

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55421BP-14	368 mm	508 mm	184 mm	39	2.7 kg
55421BP-14CAMO	368 mm	508 mm	184 mm	39	2.7 kg
55597	365 mm	508 mm	178 mm	39	2.5 kg

\* **DOES NOT** conform to ANSI/SEA 107-2015 high visibility safety apparel and accessories standard.

Backpacks

**TRADESMAN PRO™**

**Tradesman Pro™ Tool Gear Backpack**

- Tall interior pockets for long screwdrivers
- Upper pocket holds cell phones, keys, etc.
- Zipper pocket has space for pencils and small items
- Bottom is constructed of a coated tough diamond-textured material
- Orange interior to find tools faster
- 1680D ballistic weave for durability



CAT. NO: 55475

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55475	187 mm	445 mm	368 mm	35	2.0 kg

**Tradesman Pro™ Tech Backpack**

Includes core Tradesman Pro™ features plus:

- Storage for adapters and cables
- Organizer pocket for pens, phone, cables, and more
- Hard, molded front pocket protects safety glasses



Separate compartment keeps laptop protected from other tools.



CAT. NO: 55456BPL  
NZ REF: KL55456BPL

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55456BPL	356 mm	470 mm	178 mm	25	2.7 kg

**Tradesman Pro™ Tool Master Backpack**

- Backpack with 48 total pockets to easily keep everything organized
- Removable tool caddy with carrying handles and a D-ring for hanging
- Aircraft cable heavily reinforces the handle as well as a heavy-duty zipper with lockable pulls (lock not included)
- Made of durable 1680d ballistic weave material and a molded bottom to help protect from the elements
- Hang the bag from the heavy-duty metal hook for easy access into the bag
- Well-padded shoulder straps have a buckled chest strap along with lower straps that adjust for a perfect fit
- Tool caddy has a zipper pocket and closed pouches for small tools and parts as well as open pockets and straps ideal for long drivers
- Adjustable front pouch for quick tool retrieval, a mid-sized front zipper pocket fits tablets in protective covers, and a front zipper pocket for smaller items
- Molded front pocket helps protect items like phones and safety glasses
- Orange interior helps find tools easily and a large interior space for larger hand tools



CAT. NO: 55485  
NZ REF: KL55485

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55485	279 mm	495 mm	343 mm	48	6.0 kg

# TRADESMAN PRO™ Tool Bags

## Tradesman Pro™ Tool Station Tool Bag Backpack with Worklight

- Backpack with 21 pockets and large interior for maximum tool storage
- Includes removable Flashlight with Worklight; A bright magnetic flashlight and broadcasting work light in one tool
- Elastic loop holds Worklight for hands-free illumination of backpack interior when working in low light areas
- Front of backpack unzips halfway for quick tool access or fully extends for workstation access
- Made of water resistant 1680d ballistic weave material for durability
- Orange interior for easy tool visibility
- Extra padding on the shoulder straps and back for carrying comfort
- Adjustable chest and lower straps for a customized fit
- Front zipper pocket for small items
- Exterior organization includes side elastic pouch for water bottle, tape measure clip, and tape thong



CAT. NO: 55655

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55655	368.3 mm (14.5")	508 mm (20")	184.2 mm (7.25")	21	3.6 kg

## Tradesman Pro™ Tech Backpack

- Backpack fits laptops up to 3-Inch thick
- Separate compartment keeps laptop protected from tools
- Hard, molded front pocket protects safety glasses
- Tough, durable molded bottom protects from the elements
- Orange interior for easy tool visibility
- Organizer pocket for pens, phone, cables and more
- Water resistant 1680d ballistic weave for durability



CAT. NO: 55439BPTB

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55439BPTB	355.6 mm	469.9 mm	177.8 mm	25	2.5 kg

## Tradesman Pro™ Wide-Open Tool Bag

- This tool bag has a stay-open top for unobstructed tool access
- Tool organizer's orange interior and wider opening makes it easier to find the right tool
- Large interior zipper pocket
- Inside is equipped with various sized pockets for tools and gear
- Multiple exterior front and back pockets for quick access
- Outside has side mesh pockets and a metal tape measure holder
- 1680d ballistic weave for durability
- Shoulder strap with extra padding and handles
- Fully-molded bottom protects from the elements



CAT. NO: 55469  
NZ REF: KL55469

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55569	445 mm	406 mm	254 mm	42	3.2 kg

\*DOES NOT conform to ANSI/SEA 107-2015 high visibility safety apparel and accessories standard.

Backpacks

**TRADESMAN PRO™**

**Rolling Tool Bag**

Includes core Tradesman Pro™ features plus:

- Rugged 152mm wheels easily handle rough terrain
- Load tested up to 91kg
- Top has reinforced metal frame that stays open for easy loading/unloading
- Heavy-duty telescoping handle
- Withstands cold conditions



Molded kick plate to protect from the elements.



Wide open interior to accommodate large tools.



CAT. NO: 55452RTB  
NZ REF: KL55452RTB

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55452RTB	483 mm	356 mm	318 mm	24	8.6 kg

**Tradesman Pro™ Tool Master Rolling Tool Bag, 19 Pockets, 22-Inch**

- Rolling Tool Bag's rugged 8-Inch (203.2 mm) wheels provide high clearance to easily roll over rough terrain
- Tool bag has a hard top that allows for stacking materials on top
- Load tested up to 250-Pounds (113 kg)
- Twist-lock Klein LED Light (55437) or Wireless Speaker (AEPJS1) on front mount (items sold separately)
- Heavy-duty telescoping handle for easy maneuvering on the jobsite
- Exterior webbing and D-rings allow for bungee cord attachment and other add-ons
- Metal latches keep lid closed
- Double lock hasp on hard top fits padlock so nothing goes missing (padlock not included)
- Constructed with durable Water Resistant 1680d Ballistic Weave material
- Total of 19 interior and exterior pockets for maximum tool storage
- Wide open interior accommodates large tools
- Orange interior for easy tool visibility
- Hard top is contoured to hold cell phone, beverages and small parts



CAT. NO: 55473RTB

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55473RTB	554 mm	572 mm	391 mm	19	13.2 kg

**Hard Cases**

- Hard shell protects tools, meters, small parts and tech devices
- Soft interior lining
- Durable zipper closure

Cat. No.	Number of Pockets	Overall Length	Overall Height	Overall Width	Weight
5184	1	222 mm	57 mm	165 mm	0.29 kg
5189	1	260 mm	57 mm	140 mm	0.29 kg



CAT. NO: 5184

CAT. NO: 5189

# Tool Totes **TRADESMAN PRO™**

## Tool Totes

- Double stitched seams for extra durability
- Resized pockets to better fit tools
- Large zipper pockets for tools and small parts
- Shoulder strap with extra padding
- Longer pockets for screwdrivers



Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
5541610-14	254 mm	311 mm	260 mm	40	2.7 kg
554158-14	222 mm	432 mm	222 mm	20	2.3 kg



## Tool Pouch

- Tool Pouch with heavy duty reinforced bottoms
- Small Tool Bag features multiple pockets of various sizes, plus a tape thong
- Great for carrying a mix of tools and job site consumables
- Includes a padded shoulder strap for easy carrying, to use without a belt
- Tunnel loop fits 2-Inch (51mm) belts

Cat. No.	Overall Length	Overall Height	Overall Width	Pockets	Weight
5240 (KL5240)	260 mm	260 mm	140 mm	9	0.2 kg
5241 (KL5241)	260 mm	260 mm	172 mm	9	0.4 kg
5242 (KL5242)	241 mm	241 mm	191 mm	9	0.5 kg
5243 (KL5243)	292 mm	254 mm	114 mm	15	0.8 kg

## 14-Pocket Shoulder Pouch

- Tool Bag with 14 pockets for better tool storage
- Tool organizer has large pockets for easy access to small parts and tools
- Fully molded bottom for stability and protects from the elements
- Orange interior for better tool visibility
- 1680d ballistic weave for durability
- Shoulder strap with extra padding and handle for easy carrying

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
55419SP-14	203 mm	254 mm	127 mm	14	1.4 kg



## Tool Pouches

### Leather Tool Pouch with Knife Snap

- Stitched and riveted leather construction for long life
- Has a large utility pocket, two pliers pockets and two screwdriver pockets
- Includes a knife snap
- Slotted to fit belts up to 2-Inches (51 mm) wide

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
5126	152 mm	51 mm	222 mm	5	0.34 kg



CAT. NO: 5126

### 6-Pocket Tool Pouch with Tunnel Loop

- Features a large utility pocket, three pliers pockets and two screwdriver pockets
- Stitched and riveted leather construction for long life
- Includes a knife snap
- Tunnel loop fits belts up to 2-1/2-Inch (64 mm) wide
- Assembled in USA of U.S. and imported components

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
5127T	178 mm	254 mm	64 mm	6	0.4 kg



CAT. NO: 5127T

### 8-Pocket Tool Pouch

- Soft, pliable, black leather is durable and moisture-resistant
- Roomy pouch for electricians, service techs, and maintenance workers
- Five large utility pockets and three pockets for screwdrivers and pliers.
- Tape rule holder on the front
- Fits most belts up to 2.5-Inch (6.4 cm) wide
- Riveted and stitched for extra durability
- Heavy-duty chain tape thong securely fastened with a rivet
- Made in the USA

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
5178	279 mm	254 mm	51 mm	8	0.5 kg



CAT. NO: 5178  
NZ REF: KL4985

### PowerLine™ Series Electrician Tool Pouch, 18-Pocket

- Tool Pouch with 18 pockets to carry a variety of tools, includes a large utility pocket with a divider
- Pouch includes convenient chain tape thong
- Constructed of double layered, washable 1000 denier Cordura® fabric
- Double stitched and rivet reinforced for strength and durability
- No break-in period, forms and hugs the body for easy, daily wear
- Exceptional resistance to abrasion, punctures and tearing
- Cordura® is a registered trademark of INVISTA for durable fabrics

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
5719	279 mm	305 mm	95 mm	18	0.4 kg



CAT. NO: 5719

## Zipper Bags

### 4pk Canvas Zipper Tool Pouch

- Tool Bag Set includes 4 assorted colors: red, gray, black and brown
- Heavy-duty water resistant No. 10 canvas makes these tool pouches strong with brass zipper to keep items secure
- Convenient storage for pliers, wrenches, screwdrivers, nut drivers, other tools and spare parts
- Bank deposit bag for cash
- Made in the USA



CAT. NO: 5141

Cat. No.	Colour	Overall Length	Overall Height	Overall Width	Weight
5141	Brown, Black, Gray, Red	318 mm	178 mm	18 mm	426 g

### 10-Inch Canvas Tool Pouch

- Brass grommet on tool pouch easily attaches to tool belt or clip
- Zipper bag provides convenient storage for wire nuts, connectors and other consumables
- 10-Inch (254 mm) long x 8-Inch (203 mm) high x 3-1/2-Inch (89 mm) wide bottom
- Constructed with tough No. 8 canvas for added durability
- Heavy-duty zipper keeps canvas bag securely closed
- Natural canvas coloring makes identification easier



CAT. NO: 5539NAT



CAT. NO: 5539YEL



CAT. NO: 5539BLU



CAT. NO: 5539RED

Cat. No.	Colour	Overall Length	Overall Height	Overall Width	Material	Weight
5539NAT	Natural					
5539YEL	Yellow	254 mm	203 mm	89 mm	No. 8 Canvas	109 g
5539BLU	Blue					
5539RED	Red					

### Stand-Up Zipper Bags

- Reinforced bottom of 2520d ballistic material prevents tools and parts from poking through
- Stand-up bottom allows items to be found more easily
- Colored interior to see items better
- Bags are different sizes and colors to help with organization
- Body of the bags are of tough 1680d ballistic material
- Connect bags with a carabiner (not for human support)
- Two-pack includes a 165 mm orange bag and a 191 mm gray bag



CAT. NO: 55470

Cat. No.	Overall Length	Overall Height	Overall Width	Material	Color	Weight
55470	Orange Bag: 216 mm; Gray Bag: 229 mm	Orange Bag: 165 mm; Gray Bag: 191 mm	29 mm	1680d Ballistic Nylon, 2520d Ballistic Nylon Bottom	Orange/Black; Gray/Black	186 g

## Zipper Bags

### Canvas Zipper Bag

- Tool Bag made of No. 10 canvas, with strong zipper
- No. 10 canvas used to give this tool pouch added durability
- 12.5-Inch x 7-Inch x 4.25-Inch (318 x 178 x 108 mm)
- Heavy-duty zipper keeps canvas bag securely closed

Cat. No.	Colour	Overall Length	Overall Height	Overall Width	Weight
5139	Natural	318 mm	178 mm	18 mm	86 g



CAT. NO: 5139

### Cordura Nylon Zipper Bag

- This Tool Pouch is constructed of Cordura® fabric, a high-performance material resistant to abrasions, tears and scuffs
- Tool Bag's heavy-duty nylon zipper keeps items secure
- Convenient storage for pliers, wrenches, screwdrivers, nut drivers, other tools and spare parts
- Cordura® is a registered trademark of INVISTA for durable fabrics

Cat. No.	Colour	Overall Length	Overall Height	Overall Width	Weight
5139B	Black	318 mm	178 mm	13 mm	109 g



CAT. NO: 5139B

### Leather Zipper Bag

- Brushed cowhide leather construction on this tool pouch provides needed durability
- Convenient zipper bag for pliers, wrenches, and other tool storage
- Premium-quality stitching increases reliability
- Heavy-duty zipper keeps canvas bag securely closed

Cat. No.	Colour	Overall Length	Overall Height	Overall Width	Weight
5139L	Brown	318 mm	178 mm	18 mm	104 g



CAT. NO: 5139L

### 4pk Canvas Zipper Tool Pouch

- These Tool Pouches are proudly Made in the USA
- Tool Bag Set includes four assorted colors: olive, orange, royal blue, and yellow
- Made of heavy-duty No. 10 canvas with brass zipper
- Convenient storage for pliers, wrenches, screwdrivers, nut drivers and other tools and spare parts

Cat. No.	Colour	Overall Length	Overall Height	Overall Width	Weight
5140	Olive, Orange, Blue, Yellow	318 mm	178 mm	18 mm	426 g



CAT. NO: 5140



## Tool Storage

### Mid-Size 20-Compartment Storage Box

- Each box has a carrying handle, positive pull-down locking catch
- Boxes have a heavy, metallic-gray baked-enamel finish
- Box compartments feature high-impact styrene construction
- Scoop-bottom design for easy parts removal and cleaning



CAT. NO: 54439

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Compartments	Compartment Sizes	Weight
54439	248 mm	51 mm	338 mm	20	67 mm x 59 mm	2.0 kg



## Load Rated Canvas Buckets

**LOAD RATED**

**Durable, straight-wall and tapered-wall** buckets are made of heavy-duty canvas

**⚠ WARNINGS:**

- Inspect for damage before each use.
- Remove from service if bucket shows signs of wear.
- Never exceed the working load limit.

## Flame-Resistant Canvas Buckets

**LOAD RATED**

**FR**

**NFPA-701**

Meets the performance requirement of NFPA -701

### Load Rated Canvas Buckets

- Durable straight wall buckets made of heavy-duty canvas to withstand the harshest job site conditions
- Reinforced bottoms extend up the sides for added durability
- Web straps extend down the sides for additional strength
- The "No." refers to the canvas weight with No. 1 being the thickest and No. 6 being the thinnest
- Cat. Nos. 5104CLR17 and 5104CLR22 hold a 5 gallon bucket (not included)



Cat. No.	Load Rating	Diameter	Material	Special Features	Overall Height	Weight
5104	45 kg	305 mm	No. 4 Canvas	Interior Pocket	432 mm	1.2 kg
5104FR	45 kg	305 mm	No. 4 Flame-Resistant Canvas	Interior Pocket	432 mm	1.4 kg
5104S	45 kg	305 mm	No. 4 Canvas	Swivel Snap (Cat. No. 2012)	432 mm	1.3 kg)
5109	34 kg	305 mm	No. 6 Canvas	—	381 mm	0.9 kg
5109PS (KE5109PS)	34 kg	305 mm	No. 6 Canvas	203 mm Square Inside Pocket, Swivel Snap (Cat. No. 2012)	381 mm	1.1 kg
5109S (KE5109S)	34 kg	305 mm	No. 6 Canvas	Swivel Snap (Cat. No. 2012)	381 mm	0.9 kg
5109SLR	68 kg	305 mm	No. 4 Canvas	Swivel Snap (Cat. No. 2012)	381 mm	2.7 kg
5104CLR17 (KE5104CLR17)	68 kg	356 mm	No. 1 Canvas	Stitched and Riveted with a Double Reinforced Bottom	431 mm	3.0 kg
5104CLR22	68 kg	356 mm	No. 1 Canvas	Heavy Duty D Ring	559 mm	3.2 kg
5104CLRFR	68 kg	305 mm	No. 4 Flame-Resistant Canvas	Double Action Carabiner, Zipper Closed Top, Leather Covered Handle	431 mm	1.93 kg

## Canvas Buckets

### Tapered-Wall Bucket

- Black moulded polypropylene bottom
- Rope handle
- Riveted leather glove strap

Cat. No.	Top Diameter	Bottom Diameter	Material	Special Features	Overall Height	Weight
5103S	305 mm	229 mm	No. 4 Canvas	Swivel Snap (Cat. No. 2012)	305 mm	0.9 kg



CAT. NO: 5103S  
NZ REF: KE5103S



CAT. NO: 5104VT

### Leather Bottom Bucket with Top

- Top with Velcro® brand fasteners and multiple attachment loops for easy access and tool storage
- Durable canvas body with leather reinforced bottom
- High-density polyethylene rim

Cat. No.	Diameter	Material	Special Features	Overall Height	Weight
5104VT	305 mm	No. 1 Canvas	VELCRO® Closure	432 mm	1.4 kg

VELCRO® is a registered trademark of Velcro Industries B.V.

## Canvas Pouches

### Podger Pin and Bolt Bags

- Bolt bag with podger pin loop on each side
- Neoprene top to help retain 13 mm and 25 mm bolts and nuts inside pouch while working at height (Cat. No. 5416TBR)
- Drain holes to release any water build-up (Cat. No. 5416TSR)



INTERIOR  
Showing bolts prevented from falling out when pouch is upside down

Cat. No.	Number of Pockets	Material	Belt Connection	Belt Width	Overall Length	Overall Width	Overall Height	Weight
5416	3	No. 4 Canvas	Loops	Up to 76 mm	127 mm	254 mm	229 mm	0.39 kg
5416T	3	No. 4 Canvas	Tunnel	Up to 76 mm	127 mm	254 mm	229 mm	0.41 kg
5416TBR	1	No. 4 Canvas	Tunnel	Up to 76 mm	127 mm	254 mm	229 mm	0.45 kg
5416TC	2	No. 4 Canvas	Tunnel	Up to 76 mm	127 mm	254 mm	229 mm	0.39 kg
5416TSR	1	No. 4 Canvas	Tunnel	Up to 76 mm	127 mm	254 mm	229 mm	0.41 kg

## Canvas Tool Bags

### Canvas Tool Bags — Multiple Pockets, Leather Bottom

- Steel-frame mouth with hinge for rugged use
- Internal pockets in a variety of sizes
- External pocket for additional carrying needs
- Constructed of strong No. 8 natural canvas
- Reinforced bottom supports heavy tools, blocks moisture, and provides durability at wear points
- Wide opening provides easy access to large tools
- Bottom is protected from the elements by 6 studs
- Includes: Shoulder strap mounts, external pocket, leather bottom and 76 mm of sides covered with black leather, 51 mm wide web handles, leather handle wrap, and external tool loop handle in the webbing



CAT. NO: 5003-18

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
5003-18	457 mm	356 mm	152 mm	11	1.8 kg
5003-20	508 mm	381 mm	152 mm	15	1.8 kg

### Black Canvas Deluxe Tool Bag

- Tool bag is constructed with heavy-duty No. 8 black canvas
- Tool tote's 13 interior pockets are perfect for tool organization
- Detachable shoulder strap can be adjusted for a perfect fit
- Stitched and riveted leather handles for extra comfort and strength
- Moisture-resistant vinyl bottom
- Steel frame mouth with hinge for rugged use
- Rivet-reinforced for durability



CAT. NO: 510216SPBLK

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Pockets	Weight
510216SPBLK	406.4 mm	355.6 mm	152.4 mm	13	1.7 kg



# Electrical Test and Measurement

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Crafted for optimum durability, reliability and functionality, our line of test and measurement equipment is engineered with the user in mind. Designed for, and by electricians, our electrical testers provide the latest in innovative, time-saving features that professionals require.



For Professionals...  
Since 1857™

## Voltage Testers

### Continuity Tester

- Quickly reveals shorts or broken circuits in all types of electrical devices and controls
- Tests for continuity of circuit with power off
- Bulb in handle glows when circuit is complete (bulb included)
- Pointed 95 mm probe gets right to the problem
- Deluxe 102 mm long handle with removable nylon cap holds replaceable bulb and battery
- 915 mm test lead with alligator clip
- Uses one AAA battery (not included)



CAT. NO: 69133

Cat. No.	Overall Length	Weight
69133	111 mm	6.0 g

### Electronic AC/DC Voltage Testers

- Troubleshoots common residential electrical wiring and devices such as outlets, light fixtures, doorbells, batteries, etc.
- Water and dust resistant, built to withstand a 3m drop

#### ET40

- Tests AC voltages from 12V to 240V AC at four useful levels aligned with commonly used residential voltages
- Tests DC voltages from 1.5V to 24V at four useful levels aligned with commonly used DC voltages
- Identifies and distinguishes between AC or DC voltage
- Indicates polarity when measuring DC voltages

#### ET60

- Tests AC/DC voltage from 12-600V at nine useful levels aligned with commonly used voltages
- Uses standard replaceable multimeter test leads for versatility
- CAT IV 600V modern solid-state design for safety
- Easy to use bright LED display clearly reports the voltage present in the circuit being tested
- Integrated test-lead holders lead storage
- Inherent low input impedance reduces the possibility of falsely reading ghost or stray voltages on non-energized circuits
- Batteries not required, as tester is powered by the applied voltage in the circuit being tested

#### ET260

- Automatically selects voltage or continuity; automatically powers on when measurement is attempted
- Backlit LCD Display
- CAT IV 600V (CAT III 690V)
- Uses standard replaceable multimeter test leads
- Features built-in test lead holders on back of meter
- Integrated flashlight



CAT. NO: ET40



CAT. NO: ET60



CAT. NO: ET260  
NZ REF: KLET260



Cat. No.	Batteries	Voltage	Standard	Overall Length	Overall Width	Weight
ET40	2 x AAA	12 to 240 VAC, 1.5 - 2.4 V DC	CAT IV 250V	133 mm	39 mm	90 g with batteries
ET60	Not Required	12 to 600 V AC/DC	CAT IV 600V	144 mm	60 mm	92 g
ET260	3 x AAA	2 to 690V AC/DC	CAT IV 600V; CAT III 690V	154 mm	58 mm	170 g



## Voltage Testers

- Detects voltage with simultaneous visual and audible voltage indicators
- Lightweight, compact tool with pocket clip provides convenient storage and quick access
- Auto power-off feature conserves and extends battery life
- Screw-thread battery cap with O-ring
- CAT IV 1000V rating provides expanded operation and protection

- **NCVT-1P** provide non-contact detection of standard voltage 50 to 1000V AC in cables, cords, circuit breakers, lighting fixtures, switches, outlets and wires.
- **NCVT-2P** is a non-contact voltage tester that detects 12 to 1000V AC and indicates the presence of voltage. Includes both visual and audible signals.
- **NCVT-3P** is a non-contact voltage tester with an integrated flashlight. The voltage sensor detects 12 to 1000 VAC and indicates the presence of voltage. Includes both visual and audible signals. The NCVT-3P is rugged enough for any job site.
- **NCVT-4IR** is designed for HVAC applications and hot spots in panels, includes an infrared thermometer with selectable °F/°C from -30 to 250°C, LCD backlit display, and convenient laser pointer to help target 4:1 distance to spot ratio for temperature
- **NCVT-6** is a non-contact voltage tester with an integrated laser distance meter. It can detect voltage over the full-range from 12 to 1000 VAC and can measure distances from 2-Inch (51 mm) up to 66-Foot (20 m). The laser distance meter functions independently from the NCVT with a simple-to-use intuitive interface. Easy, single-button changes between voltage detection and laser distance measurements.



CAT. NO: NCVT-1P



CAT. NO: NCVT-2P



CAT. NO: NCVT-3P



CAT. NO: NCVT-4IR | NZ REF: KL4IR



CAT. NO: NCVT-6



Features	NCVT-1P	NCVT-2P	NCVT-3P	NCVT-4IR	NCVT-6
Description	Voltage Tester	Dual Range	Dual Range with Flashlight	Voltage Tester with Infrared Thermometer	Voltage Tester with Laser Distance Meter
Drop Protection	3 m	2 m	2 m	2 m	2 m
Ingress Protection	IP40	IP54	IP67	IP54	IP40
Safety	CAT IV 1000V	CAT IV 1000V, CE	CAT IV 1000V, CE	CAT IV 1000V AC	CAT IV 1000V, CE
Voltage	50-1000V AC	Mode 1: 12-1000V AC Mode 2: 70-1000V AC	Mode 1: 12-1000V AC Mode 2: 70-1000V AC	12-1000V AC	12-1000 VAC
Frequency Range	50-500Hz	50-500Hz	50-500Hz	50-500Hz	50 - 500 Hz
Audible and Visual Alarms	●	●	●	●	●
Auto-Power Off	●	●	●	●	●
Temperature	-	-	-	-30° – 250°C	-
Laser	-	-	-	Class 2	Class 2 Distance Meter
Flashlight	-	-	●	-	-
Backlight	-	-	-	-	●
LCD Display	-	-	-	●	● Reverse Contrast
Batteries	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA
Overall Length	140 mm	148 mm	148 mm	159 mm	164 mm
Weight	23 g	48 g	51 g	57 g	72 g



















See page 186 for additional information on warnings.



Clamp Meters

# DIGITAL CLAMP METERS



Features	CL900	CL800	CL700	CL600	CL390	CL320	CL220	CL120
 Drop Protection	2m (6.6ft)	2m (6.6ft)	2m (6.6ft)	2m (6.6ft)	2m (6.6ft)	2m (6.6ft)	2m (6.6ft)	2m (6.6ft)
 Ingress Protection	IP40	IP40	IP40	IP40	-	-	-	-
 Safety	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V
 AC Voltage (Volts)	1000V	1000V	1000V	1000V	600V	600V	600V	600V
 DC Voltage (Volts)	1000V	1000V	1000V	1000V	600V	600V	600V	600V
 AC + DC Voltage	-	-	-	-	-	-	-	-
 AC Current (Amps)	2000A	600A	600A	600A	400A	400A	400A	400A
 DC Current (Amps)	2000A	600A	-	-	400A	-	-	-
 Ohms (Resistance)	60MΩ	60MΩ	60MΩ	60MΩ	40MΩ	40MΩ	20MΩ	20MΩ
 AC Millivolts	-	-	-	-	●	-	●	●
 DC Millivolts	●	●	●	●	●	●	●	●
 DC Microamps	-	-	-	-	●	●	-	-
 True RMS	●	●	●	●	●	●	●	-
 Audible Continuity	●	●	●	●	●	●	●	●
 Backlight	●	●	●	●	Reverse Contrast Display	●	●	●
 Temperature	-	-26° - 538°C	-26° - 538°C	-	-40° - 1000°C	-40° - 1000°C	-40° - 1000°C	-
 Differential Temperature	-	-	-	-	-	-	-	-
 Digital Temperature Calibration	-	-	-	-	-	-	-	-



## Clamp Meters



Features	CL900	CL800	CL700	CL600	CL390	CL320	CL220	CL120
Low Impedance	●	●	●	-	-	-	-	-
Low-Pass Filter	-	-	-	-	-	-	-	-
Inrush Current	2000A	-	-	-	-	-	-	-
Non-Contact Voltage Testing	●	●	●	●	●	●	●	●
Auto Ranging	●	●	●	●	●	●	●	●
Range Hold	●	●	●	●	●	●	●	●
Data Hold	●	●	●	●	●	●	●	●
Diode Test	●	●	●	●	●	●	-	-
Capacitance Test	6000 $\mu$ F	6000 $\mu$ F	6000 $\mu$ F	-	4000 $\mu$ F	4000 $\mu$ F	-	-
Frequency / Duty Cycle	1Hz – 500 kHz	1Hz – 500 kHz	1Hz – 500 kHz	-	10Hz – 60kHz	10Hz – 60kHz	-	-
Max / Min	●	●	●	●	●	●	MAX only	MAX only
Relative Mode	-	-	-	-	●	-	-	-
Magnet	Available As Accessory	Available As Accessory	Available As Accessory	Available As Accessory	Available As Accessory	Available As Accessory	Available As Accessory	Available As Accessory
Worklight	-	●	-	-	-	-	-	-
Auto-Power Off	●	●	●	●	●	●	●	●
LCD Display Count	6000	6000	6000	6000	4000	4000	2000	2000



**⚠ WARNINGS:** To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.

- Before each use, verify meter operation by measuring a known voltage or current.
- Never use the meter on a circuit with voltages that exceed the category based rating of this meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Do not open the meter to replace batteries while the probes are connected.
- Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.



See page 186 for additional information on warnings.



## Specialty Clamp Meters

### Open Jaw Fork Meter


















#### CL360

- Auto-ranging
- True root mean square (TRMS)
- 200A
- AC current
- AC/DC voltage
- Resistance
- Continuity
- Non-Contact Voltage Tester

**Includes** Carrying case, Instruction manual, Straight Input Test leads with CAT III/CAT IV safety caps, 2 x AAA Batteries

<b>Standard</b>	CE Certified
<b>Jaw Size</b>	15 mm Opening
<b>Overall Length</b>	213 mm
<b>Overall Width</b>	54 mm
<b>Overall Depth</b>	35 mm
<b>Weight</b>	180 g

#### FEATURES

	Drop Protection	3 m
	Ingress Protection	IP40
	Safety	<b>Jaw &amp; Housing:</b> CAT IV 600V, CAT III 1000V <b>Electrical &amp; Protection Circuit:</b> CAT III 600V, CAT II 1000V
	AC Voltage (Volts)	600V
	DC Voltage (Volts)	1000V
	AC Current (Amps)	200A
	Ohms (Resistance)	60MΩ
	True RMS	●
	Audible Continuity	●
	Backlight	●
	Non-Contact Voltage Testing	●
	Auto Ranging	●
	Data Hold	●
	Auto-Power Off	●
	LCD Display Count	6000

### Flexible AC Current Clamp Meter














#### CL150

- Auto-ranging
- True root mean square (TRMS)
- 3000A
- AC current

**Includes** Carrying case, Instruction manual, 2 x AAA Batteries

<b>Standard</b>	CE Certified
<b>Jaw Size</b>	457 mm Flexible Clamp
<b>Overall Length</b>	266 mm
<b>Overall Width</b>	104 mm
<b>Overall Depth</b>	27 mm
<b>Weight</b>	425 g

#### FEATURES

	Drop Protection	2 m
	Ingress Protection	—
	Safety	CAT III 1000V CAT IV 600V
	AC Current (Amps)	3000A
	True RMS	●
	Backlight	●
	Auto Ranging	●
	Data Hold	●
	Max / Min	●
	Auto-Power Off	●
	LCD Display Count	3000

## Digital Multimeters

**TOUGH METER**



MM700	MM600	MM400	MM300
<ul style="list-style-type: none"> <li>Auto-ranging</li> <li>True root mean square (TRMS)</li> <li>10A</li> <li>AC/DC current</li> <li>AC/DC voltage</li> <li>Resistance</li> <li>Continuity</li> <li>Frequency</li> <li>Duty cycle</li> <li>Capacitance</li> <li>Tests diodes</li> <li>Thermocouple probe to test temperature</li> </ul>	<ul style="list-style-type: none"> <li>Auto-ranging</li> <li>10A</li> <li>AC/DC current</li> <li>AC/DC voltage</li> <li>Resistance</li> <li>Continuity</li> <li>Frequency</li> <li>Duty cycle</li> <li>Capacitance</li> <li>Tests diodes</li> <li>Thermocouple probe to test temperature</li> </ul>	<ul style="list-style-type: none"> <li>Auto-ranging</li> <li>10A</li> <li>AC/DC current</li> <li>AC/DC voltage</li> <li>Resistance</li> <li>Continuity</li> <li>Frequency</li> <li>Duty cycle</li> <li>Capacitance</li> <li>Tests diodes</li> <li>Thermocouple probe to test temperature</li> </ul>	<ul style="list-style-type: none"> <li>Manual-ranging</li> <li>600A</li> <li>DC current</li> <li>AC/DC voltage</li> <li>Resistance</li> <li>Continuity</li> <li>Tests diodes</li> <li>Battery Test mode</li> </ul>
Includes			
Carrying case, Instruction manual, Test leads with CAT III/CAT IV safety caps, Alligator clips, Thermocouple with adapter, 2 x AAA Batteries	Carrying case, Instruction manual, Test leads with CAT III/CAT IV safety caps, Alligator clips, Thermocouple with adapter, 2 x AAA Batteries	Instruction manual, Test leads with CAT III/CAT IV safety caps, Thermocouple with adapter, 2 x AAA Batteries	Instruction manual, Test leads with CAT III/CAT IV safety caps, 2 x AAA Batteries
Standard			
CAT IV 600V, CAT III 1000V CE Certified	CAT IV 600V, CAT III 1000V CE Certified	CAT III 600V; CE Certified	CAT III 600V; CE Certified
Overall Length			
178 mm	178 mm	152 mm	152 mm
Overall Width			
90 mm	90 mm	80 mm	80 mm
Overall Depth			
53 mm	53 mm	45 mm	45 mm
Weight			
410 g	410 g	230 g	230 g

FEATURES	MM700	MM600	MM400	MM300
Drop Protection	2 m	2 m	1 m	1 m
Ingress Protection	IP42	IP42	–	–
Safety	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V	CAT III 600V
AC Voltage (Volts)	1000V	1000V	600V	600V
DC Voltage (Volts)	1000V	1000V	600V	600V
AC Current (Amps)	10A	10A	10A	–
DC Current (Amps)	10A	10A	10A	10A
Ohms (Resistance)	40MΩ	40MΩ	40MΩ	20MΩ
DC Millivolts	●	●	●	●
AC Milliamps	●	●	●	–
DC Milliamps	●	●	●	●
AC Microamps	●	●	●	–
DC Microamps	●	●	●	●
True RMS	●	–	–	–
Audible Continuity	●	●	●	●
Backlight	●	●	●	–
Temperature	-18° – 816°C	-18° – 538°C	-18° – 538°C	–
Low Impedance	●	–	–	–
Auto Ranging	●	●	●	–
Range Hold	●	●	●	–
Data Hold	●	●	●	●
Diode Test	●	●	●	●
Capacitance Test	4000 µF	1000 µF	200 µF	–
Frequency / Duty Cycle	1Hz – 500 KHz	1Hz – 500 KHz	1Hz – 500 KHz	–
Max / Min	●	●	●	–
Lead Warning	●	●	–	–
Bar Graph	●	–	–	–
Magnetic Mount	Available As Accessory	Available As Accessory	Available As Accessory	Available As Accessory
Auto-Power Off	●	●	●	–
Battery Test	–	–	–	●
LCD Display Count	4000	4000	4000	2000



## Meter Accessories

### Replacement Test Lead Sets

- Safety Rating: Category IV 600V and CAT III 1000V
- Screw-on alligator clips attach to wires and other conductors
- Intended for use as replacement test leads for meters that have standard, banana-type input jacks
- Leads are 1 m long
- Perform accurately with Klein Tools' meters and other manufacturer's meters



CAT. NO: 69410  
NZ REF: KL69410

Cat. No.	For Use With	Weight
69410	All Clamp or Digital Multimeters	90 g

### Heavy-Duty Alligator Clip Test Leads

- Standard banana-type inputs compatible with most multimeters and clamp meters
- Heavy-duty alligator clips attach to wires and other conductors
- Perfect for insulation resistance testing
- Alligator clip jaw: 15 mm opening with protective PVC cap
- Includes 1 pair of Universal Test Leads with banana plug to heavy-duty alligator clip
- Safety Rating: Category III 1000V and Category IV 600V
- Leads are 40-Inch (102 cm) long 18 AWG double insulated wire



CAT. NO: 69420

Cat. No.	For Use With	Weight
69420	All Clamp or Digital Multimeters	87 g

### Magnetic Hangers

- Durable nylon weave resists wear and tear
- Constructed with powerful rare earth magnets
- Has a secure loop & hook
- Hanger allows the user to safely work hands-free



CAT. NO: 69445    CAT. NO: 69417  
NZ REF: KL69417

Cat. No.	For Use With	Weight
69445	CL220, CL120, CL320, CL390, CL450, CL600, CL700, CL800, CL900, and Select Multimeters	37 g
69417	MM300, MM400, MM600, and MM700 multimeters, and CL120, CL220, CL320, CL390, CL450, CL600, CL700, CL800, CL900 clamp meters	31 g

### Carrying Case

- Constructed of black 600 Denier Nylon for exceptional resistance to abrasions, punctures and tears
- Has a heavy-duty PVC zipper and zinc alloy zipper tag
- Easily fits the following Klein Tools test and measurement meters: MM300, MM400, MM600, MM700, CL110, CL312, CL600, CL700, CL800 and CL900
- Convenient storage for other test and measurement products



CAT. NO: 69401  
NZ REF: KL69401

Cat. No.	Number of Pockets	Overall Length	Overall Width	Weight
69401	1	235 mm	102 mm	90 g

## Cases

### Tradesman Pro™ Carrying Case

- Recommended for meters, testers, infrared guns, and small tools
- Two layers of padding protect even delicate instruments
- Heavy-duty zipper and rugged PVC coated polyester for durability
- Pockets for quick access and organization
- Loop with snap closure to attach to belts, bags and backpacks



CAT. NO: 69406

Cat. No.	Number of Pockets	Overall Length	Overall Height	Overall Width	Weight
69406	1	235 mm	57 mm	114 mm	0.17 kg

# TRADESMAN PRO™

## Borescope and Accessories

### WiFi Borescope

- WiFi Borescope transmits and displays video and images directly to your smartphone up to 30 Feet (9 m) away
- Waterproof 9 mm camera has 6 on-board, adjustable LED lights and outputs high-quality 640 x 480 images
- Tough, armored 6-Foot (1.8 m) long waterproof camera goose-neck maneuvers around obstacles while maintaining rigidity
- Battery status indicator tracks the charge level of the lithium-ion battery
- Increase and decrease camera LED output either on the Borescope or in the App
- The App not only acts as a display, but stores and shares images and videos via text or email
- Includes convenient pocket clip, USB charging cable, hook attachment, carrying case, and instructions
- The Klein Borescope App is available free at the App Store® for iPhone® users and Google Play® for Android® users



#### Multiple Applications!

- Electrical
- HVAC
- Plumbing
- Automotive
- Aircraft
- Use to view inaccessible areas:
  - Inside a wall
  - Down the drain
  - In furnace or vent



CAT. NO: ET20  
NZ REF: KLET20

Cat. No.	Overall Length	Overall Height	Overall Width	Batteries	Weight
ET20	185 mm	58 mm	90 mm	Rechargeable Lithium-ion	0.23 kg



## Thermometers

### Digital Pocket Thermometer

- User selectable Fahrenheit and Celsius temperature measurements
- Backlit display for easy viewing in low light
- Max/Min, Hold and Average functions
- Auto-power off after 15 minutes conserves battery life
- FDA GRAS compliant for food usage
- Lightweight, compact tool with pocket clip provides easy storage and quick access
- Temperature range of -40 to 250° C



CAT. NO: ET05  
NZ REF: KLET05



Cat. No.	Batteries	Overall Length	Overall Height	Overall Width	Weight
ET05	2 x LR44	165 mm	24 mm	27 mm	39 g

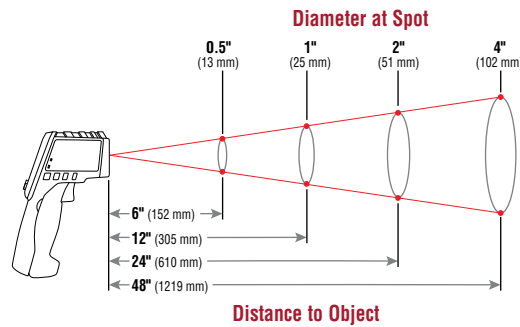
## Infrared Thermometers

### IR5 Dual Laser Infrared Thermometer

- Optical Resolution (Distance-to-spot) is 12:1
- Features include dual-laser targeting, auto-scan, max/min/avg/diff, high/low alarm, backlit display, auto power-off
- Measurement Range: -30° to 400°C
- For ambient temperatures above freezing, the accuracy is +/- 16° C or +/- 2%; Accuracy below freezing is +/- 16° C plus 0.2 degrees per degree below 0° C
- Drop protection to 2 m
- Uses one 9-volt battery, with battery life expectancy at 10 hours of continuous use with laser and backlight on
- Certified to IEC EN 61326-1:2006, EN608251:1994+A2:2001+A1:2002
- Adjustable emissivity
- Includes custom pouch and batteries



CAT. NO: IR5  
NZ REF: KLIR5



Cat. No.	Overall Length	Overall Height	Overall Width	Batteries	Weight
IR5	173 mm	115 mm	47 mm	1 x 9V	0.28 kg

### IR10 Dual Laser Infrared Thermometer

- Incorporates surface temperature measurement capability using IR emission and can also measure bulk temperatures of air, gas, or liquids using a standard K-Type probe
- Dual targeting lasers offer more accurate determination of the area being tested
- Optical Resolution (Distance-to-Spot) is 20:1
- Measurement range for both IR and K-Type probe -40 to 1200-Degree Fahrenheit (-40 to 650-Degree Celsius)
- Adjustable emissivity from 0.1-1.0 delivers flexibility to address multiple applications
- Bright backlit display for working in low ambient lighting conditions
- Statistical parameters for measurement event - max/min/avg/diff
- User definable high/low limits with audible and visual alarms when limits are breached
- Uses one 9-volt alkaline battery, with battery life expectancy at 8 hours of continuous use with laser and backlight on
- Includes custom pouch, K-Type probe and battery
- Soft-touch, over-mold housing; built to withstand a 9.9-Foot (3 m) drop
- IP54 ingress protections for dust and water resistance



CAT. NO: IR10



Cat. No.	Overall Length	Overall Height	Overall Width	Batteries	Weight
IR10	178 mm	114 mm	52 mm	1 x 9V	0.25 kg

## Rechargeable Thermal Imager

- Thermal Imager has over 10,000 pixels to troubleshoot hot and cold spots
- Adjustable emissivity from 0.10 to 0.99
- Store and share images with optional microSD® Card (sold separately)
- User selectable high and low temperature alarms from -4 to 752-Degree Fahrenheit (-20 to 400-Degree Celsius)
- Select color palettes to best capture the event
- Rechargeable lithium-ion battery
- Includes thermal imager, micro-USB charging cable, carrying case, and instructions

**NEW**  
Product



CAT. NO: TI250  
NZ REF: KLT1250

Cat. No.	Batteries	Overall Length	Overall Height	Overall Width	Weight
TI250	Lithium-Ion	80 mm	80 mm	25 mm	0.24 kg



## Insulation Resistance Tester

- Voltage Tester tests insulation resistance up to 4000MΩ at 125V, 250V, 500V, and 1000V DC
- Megohmmeter with test and lock buttons for simple insulation testing
- Warning alarm and high voltage icon for detection of voltage
- Measures up to 1000V AC/DC, resistance, and continuity
- Automatic ranging True Root Mean Square (TRMS) technology for increased accuracy
- Backlit display with bar graph, Auto-power off, High Voltage, Max/Min, and Hold icons
- Low battery indicator with easily replaceable battery and fuse
- Built-in stand and optional magnetic hanger for hands free operation
- Test verification of conformity to EN61557-1,-2,-4
- CAT IV 600V and CAT III 1000V safety rating
- Includes Right Angle Test Leads and Heavy-Duty Alligator Clip Test Leads

**NEW**  
Product



CAT. NO: ET600  
NZ REF: KLET600

Cat. No.	Batteries	Overall Length	Overall Height	Overall Width	Weight
ET600	6 x AA	202 mm	59 mm	91 mm	0.6 kg

## Pinless Moisture Meter

- Pinless Moisture Meter with electromagnetic field (EMF) technology allows for nondestructive detection of moisture content in building materials
- Drywall tool detects moisture content up to 3/4-Inch (19 mm) deep
- Easy viewing with bright reverse-contrast display
- Nine LED bars indicate moisture range
- Easy-to-select materials with mode button; drywall, masonry, hardwood, and softwood
- Hold, Low battery, and Auto-Power off functions
- Built to withstand a 6.6 foot (2 m) drop
- Includes detector, 9V battery, and instruction manual

Cat. No.	Batteries	Overall Length	Overall Height	Overall Width	Weight
ET140	1 x 9V	152 mm	25 mm	64 mm	0.2 kg



CAT. NO: ET140

See page 186 for additional information on warnings.



## Specialty Testers

### Light Meter

- Easy-to-operate precision meter to monitor light levels and lighting retrofit projects
- Ideal for incandescent, fluorescent, metal halide, and daylight
- Measurements in foot candles (FC) and Lux
- Auto and manual range: 4000 FC; 40,000 Lux
- Features backlit LCD display with 40-segment bar graph
- Data Hold, Max/Min, and Auto Power Off
- Includes carrying pouch, instruction manual, and 9V battery



CAT. NO: ET130

IES RECOMMENDED ILLUMINATION*			
	Location	Lux	FC
Office	Conference Room	200-750	18-70
	Office area	500-750	47-70
	Lobbies, lounges	100-200	9-18
School	Auditorium, Gymnasium	100-300	9-28
	Classroom	200-750	18-70
	Library, Drafting, Laboratory	500-1500	47-140
Hospital	Rooms	100-300	9-28
	Emergency Room	500-1000	47-93
	Operating Room	1000-2000	93-186
Factory	Packing work	150-300	14-28
	Parts assembly	1500-3000	140-280
	Inspection work	750-1500	70-140
Store	Stairs, Corridor	150-200	14-18
	Stockroom	100-300	9-28
	Merchandising	750-1500	70-140

\*The Lighting Handbook 10th Edition, Illuminating Engineering Society

Cat. No.	Batteries	Overall Length	Overall Height	Overall Width	Weight
ET130	1 x 9V	206 mm	36 mm	53 mm	156 g

Not suitable for LED lighting

### Carbon Monoxide Meter

- Easy-to-use meter detects and measures concentration levels of carbon monoxide gas in ambient air
- User protection with short-term exposure limit (STEL) alarms: low level alarm (35 ppm) and high level alarm (200 ppm)
- Backlit display with CO measurement (0 to 1000 ppm) and temperature (°F and °C)
- Auto-power off after 20 minutes of no usage helps conserve battery life
- Includes carrying pouch, instruction manual, and 4 x AAA batteries



CAT. NO: ET110  
NZ REF: KLET110

Cat. No.	Batteries	Overall Length	Overall Height	Overall Width	Weight
ET110	4 x AAA	197 mm	37 mm	55 mm	144 g

Meter is not intended for use as personal protection equipment



## Specialty Testers

### Combustible Gas Leak Detector

- Select from two levels of sensitivity: High (50 to 1000 ppm) and Low (50 to 10,000 ppm)
- Measures methane, propane, butane, and other gases to detect for leaks
- Five red LEDs (visual) and 85db audible alerts that increase with gas concentration to detect the gas leak
- Automatic zero-point calibration at power-up
- 18 inch flexible goose-neck expands sensor's reach; clips onto device for storage
- Auto power-off after 10 minutes of non-usage conserves battery life
- Includes carrying pouch, instruction manual, and 4 x AAA batteries



CAT. NO: ET120  
NZ REF: KLET120

Cat. No.	Batteries	Overall Length	Overall Height	Overall Width	Weight
ET120	4 x AAA	719 mm	70 mm	45 mm	380 g

Meter is not intended for use as personal protection equipment

## USB Testers

### USB-A Digital Meter and Tester

- USB digital meter and tester combination for USB-A ports only
- Tests the maximum current delivery capability of the USB port with built-in fixed loads so user need not connect to an external load
- Functions with any USB-A port that has the ability to deliver power. It requires NO BATTERIES as it draws power from the power source.
- Test maximum USB output amperage: 0.5A, 1A, 2A, 3A
- Monitor USB output: voltage, current, capacity (charge delivered mAh), energy (Wh), resistance (calculated)
- Qualcomm Quick Charge® compatible
- Voltage and current overload detection
- 10-memory storage locations
- Bright, easy-to-read LCD screen



CAT. NO: ET910

Cat. No.	Overall Length	Overall Height	Overall Width	Weight
ET910	110 mm	25 mm	45 mm	79 g

### USB-A and USB-C Digital Meter

- USB digital meter for both USB-A and USB-C ports
- Functions with any USB-A and most USB-C ports that have the ability to deliver power. It requires NO BATTERIES as it draws power from the power source.
- Monitor USB output: voltage, current, capacity (charge delivered mAh), energy (Wh), resistance (calculated)
- Qualcomm Quick Charge® compatible
- Voltage and current overload detection
- 10-memory storage locations
- Bright, easy-to-read LCD screen



CAT. NO: ET920

Cat. No.	Overall Length	Overall Height	Overall Width	Weight
ET920	75 mm	15 mm	50 mm	48 g

See page 186 for additional information on warnings.



A technician wearing glasses and a dark shirt is using a yellow handheld network tester on a server rack. The rack is filled with numerous cables of various colors (white, blue, orange, green) plugged into ports. The tester's screen displays the number '2345678'.

# Voice/Data/ Video Tools, Testers & Connectors

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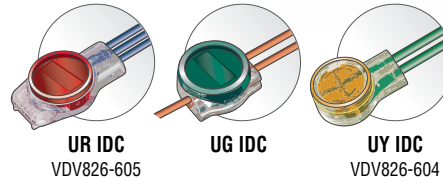
Our comprehensive line of verification VDV products was created to prep, connect and test network, phone, CATV, home theater, satellite, and security cables for residential or commercial systems.

For Professionals...  
Since 1857™

## Telecom Long-Nose Pliers

### Long-Nose Pliers - Connector Crimping

- Crimps UR/UY/UG insulation displacement connectors (IDC) - Scotchlok® type connectors
- Grooved jaws for wire wrapping, looping and twisting
- Cleanly strips 23 to 24 AWG wire
- Hot-riveted joint ensures smooth action and no handle wobble
- Induction-hardened cutting surface for long life



CAT. NO: VDV026-049

Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Point Diameter	Knife Length	Handle Color	Handle Finish	Weight
VDV026-049	173 mm	51 mm	18 mm	10 mm	2.41 mm x 3.17 mm	11 mm	Yellow	Plastic Dipped	0.13 kg

## Voice/Data/Video Tool Kits

### Coax Cable Installation Kit with Zipper Pouch

- Everything needed for preparing and connecting coax cables with F-Connectors
- Multi-Cable Cutter has precision shear-type cutting blades for easier cutting and double-dipped comfort grips with curved handles and is made in USA
- Coaxial Cable Radial Stripper with 2-level, one step prep has durable high-carbon steel pre-set cutting blades for precise, accurate cable stripping
- Compression Crimper crimps compression F-Connectors to coaxial cable; fixed plunger allows quick, easy insertion and removal of cable and connector
- Includes 6 Universal F-Compression Connectors
- Zipper bag keeps all components together



CAT. NO: VDV026-211

Cat. No.	Kit Contains	Weight
VDV026-211	Coax Cable Installation Kit with Zipper Pouch	0.7 kg
Cat. No.	Description	
63020	Multi-Cable Cutter Klein-Kurve®	
VDV110-061	Coaxial Cable Radial Stripper	
VDV212-008SEN	Compression Crimper, Compact, F-Connector	
VDV812-606	Universal F-Compression Connectors	
5199BP	Polyester zipper bag	

### Twisted Pair Installation Kit with Zipper Pouch

- All the tools needed to strip, crimp, and punch down to connect modular cables and jacks
- Radial Stripper with a durable high-carbon steel blade automatically adjusts to different cable diameters to avoid damaging conductors
- Ratcheting Modular Crimper/Stripper cuts, strips and crimps data cables
- 110-Type Punchdown Tool with Klein's exclusive DuraBlade™ precision cutting edge for clean, accurate wire termination
- Six pieces of Modular Data Plugs, RJ45-Cat5e
- Zipper bag keeps all components together



CAT. NO: VDV026-212

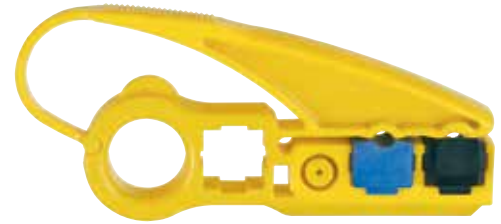
Cat. No.	Kit Contains	Weight
VDV026-212	Twisted Pair Installation Kit with Zipper Pouch	0.6 kg
Cat. No.	Description	
VDV110-261	Twisted Pair Radial Stripper	
VDV226-011	Ratcheting Modular Crimper/Stripper	
VDV427-897	110-Type Punchdown Tool	
VDV826-105	Modular Data Plugs	
5199BP	Polyester zipper bag	





## Radial Strippers

### Cartridge Radial Stripper

- Designed for high-volume, multiple-type cable preparation environments
- Includes storage cartridge-bay
- One-piece construction ensures precise stripping and never requires adjustment
- Large finger loop promotes rotation during use
- F-Connector "nest" assists with cable insertion
- Cartridges snap in from both sides for left or right-handed operation
- Durable high-carbon steel cartridge cutting blades are ground and honed for long life
- Additional and replacement cartridges available

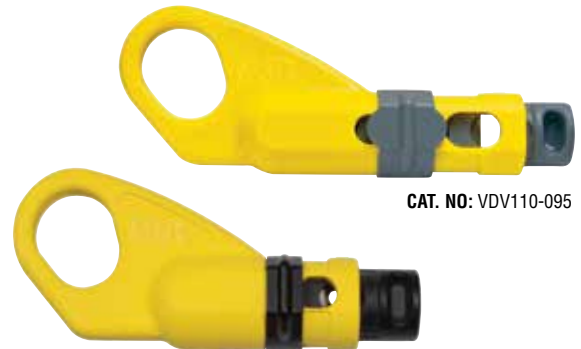


CAT. NO: VDV100-801-SEN

Cat. No.	Set Contains	Weight			
VDV100-801-SEN	Dual Cartridge Radial Stripper	0.05 kg			
Cat. No.	Cable Type	Color	Levels	Strip Dimensions	Prepared Cable
VDV110-003-SEN	RG59/RG6/RG6 QS Coaxial Cable	Black	2	8 and 6 mm	
VDV120-005-SEN	UTP Cable (Category 3, 5, 5e and 6)	Blue	1	Variable	

### Coax Cable Radial Strippers - 2-Level



- Cat. No. VDV110-095 features two stripping cavities: one for standard size cable and one for utility size cables. Perfect for the data installer who works with utility cable as well standard cable
- Cat. No. VDV110-095 strips five different series of RG cable including: RG6, RG6-QS, RG59, RG11 and RG7
- 2-level stripping in one step - 8 mm and 6 mm
- Klein's sliding cable stop pre-measures cable for fast, accurate and repeatable strips
- Durable high-carbon steel cutting blades automatically adjust to different cable diameters
- Finger loop facilitates easy, controlled rotation
- Easy debris clean-out



CAT. NO: VDV110-095

CAT. NO: VDV110-061

US Patent: D688927

Cat. No.	Cable Type	Handle Color	Levels	Strip Dimensions	Prepared Cable	Overall Length
VDV110-095	RG59, RG6, RG6-QS, RG7, RG11	Yellow/Gray	2	8 and 6 mm		133 mm
VDV110-061	RG59, RG6, RG6-QS	Yellow/Black	2	8 and 6 mm		117 mm


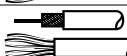
### Twisted Pair Radial Strippers

- Easily and cleanly strips twisted pair cable
- Durable high-carbon steel cutting blades automatically adjust to cable diameter; won't damage internal conductors
- Finger loop design for smooth, easy rotation
- Additional external blade in a structured design allows user to slit wire jacket for mid-span access or to open lengthwise
- Cat. No. VDV110-295 is a combo stripper that features a slide depth gauge to pre-measure coax cable for quick, precise and repeatable 8 mm and 6 mm strips



CAT. NO: VDV110-295

CAT. NO: VDV110-261

Cat. No.	Cable Type	Handle Color	Levels	Strip Dimensions	Prepared Cable	Overall Length
VDV110-261	CAT3, CAT5/5e, CAT 6/6A	Yellow/Blue	1	51 mm		121 mm
VDV110-295	RG59, RG6/RG6Q; CAT3, CAT5/5e, CAT6/6A	Yellow/Blue	2	8 and 6 mm		133 mm

## Crimp Tool and Die Sets

### Ratcheting Crimper Frame

- Professional CATV, electrical, home theater, satellite and security system ratcheting crimper frame with optional dies is perfect for fast, reliable connector installations
- Full-cycle ratchet action assures a complete, precise crimp every cycle
- Preset tension for optimum performance
- Ratchet mechanism is designed to prevent the release of the connector prior to full compression
- Safety crimp release helps eliminate rejected terminations due to incorrect positioning
- Steel body with black-oxide finish for corrosion resistance and durability
- Thumb-screws secure die-sets for quick, easy changes
- Optional, quick interchangeable die sets thumb and Phillips screw set available (see table)



CAT NO: VDV200-010

Cat. No.	Handle Color	Overall Length	Weight
VDV200-010	Black/Yellow	222 mm	0.5 kg

**NOTE:** Use caution when tightening thumb screws to prevent thread damage/stripping and hand tighten only; do not over-tighten the thumb screws. Over-tightening thumb-screws can damage the tool and/or die set.

### Coaxial Hex-Crimp Die Sets

Cat. No.	Die Set	Nest Dimension	Cat. No.	Die Set	Nest Dimension	Cat. No.	Die Set	Nest Dimension
VDV211-038	RG58/RG59/ RG6/RG62	0.256"/0.068"/ 0.213"/6.50/ 1.73/5.41 mm	VDV211-037	RG58/RG59/ RG6/RG62	0.256"/0.319"/ 0.068"/0.213"/ 6.50/ 8.10/ 1.73/5.41 mm	VDV205-044	Non-Insulated Terminal, AWG 8-18	AWG 18-16/14 /12-10/8 DIN 0.75-1.5/ 2.54/ 4-6/ 10 mm <sup>2</sup>
VDV205-035	Insulated Terminals, AWG 10-22	AWG 22-18/ 16-14/12-10 DIN 0.5-1.0/ 1.5-2.5/ 4-6 mm <sup>2</sup>	VDV205-039	Pin Terminal Insulated or Non-Insulated Ferrules, AWG 12-22	AWG 22/20/18/ 16/14/12 DIN 0.5/0.75/ 1.0/ 1.5/2.5/ 4 mm <sup>2</sup>	VDV212-034	CATV F Connectors RG59 RG6	0.255"/ 0.320"/ 0.350" 6.48/ 8.13/ 8.89 mm

## Coaxial Connector Compression Crimpers

### Compression Crimper — Lateral, Multi-Connector

- One tool crimps most compression connectors to most coaxial cables — Minicoax, RG58, RG59, RG62, RG6, RG6QS, RG7, and RG11
- Unique cable selection wheel eliminates the need to change plunger tips saving time and avoids losing parts
- Heavy-duty zinc die-cast chassis for durable, long lasting performance
- Open design with 180° capture mechanism provides easy insertion, complete compression and simple removal
- User-friendly F/BNC/RCA gauge markings on tool for accurate positioning and quick adjustments of the plunger
- Integrated handle lock for easy storage
- Spring loaded return increases user comfort and ease of use
- Yellow and black contoured grips enhance comfort, visibility and allow quick identification



CAT NO: VDV211-063



Connector markings for quick adjustments

Cat. No.	Type	Overall Length	Color	Cable Type	Connector Type	Weight
VDV211-063	Compression Crimper	159 mm	Yellow/Black	Coaxial	BNC, F, RCA	0.5 kg

See page 186 for additional information on warnings.



**WARNING:** Do NOT use on energized circuits or cabling systems.

## Coaxial Connector Compression Crimpers

### Compact, Multi-Connector Compression Crimper

- Fast, reliable multiple-type compression connector installations
- Crimps compression BNC, F and RCA connectors to coaxial cable
- Adjustable universal plunger ensures accurate crimps on multiple types of connectors
- Open design with 180° capture mechanism provides easy insertion, complete compression and simple removal of cable and connector
- User-friendly F/BNC/RCA gauge markings on tool for accurate positioning and quick adjustments of the plunger
- Compact tool with integrated handle lock for easy storage
- Spring loaded return increases user comfort and ease of use
- Yellow contoured grips enhance comfort, visibility and allow quick identification
- Steel body with chrome finish resists corrosion and extends tool life



CAT NO: VDV211-048



Connector markings for quick adjustments

Cat. No.	Type	Overall Length	Color	Cable Type	Connector Type	Weight
VDV211-048	Compression Crimper	142 mm	Yellow/Chrome	Coaxial	BNC, F and RCA	0.23 kg

### Extended Reach Coax Compression Crimper

- Crimps F, BNC and RCA compression connectors onto coaxial cables
- Optimized for confined-space and short cable installations
- Adjustable universal plunger ensures optimized crimping on multiple types of connectors
- Open-channel design for easy insertion of all connector head styles
- Integrated leverage point to assist connector installation
- Connector markings and mm scale are lasered into tool for consistent crimping
- Made of adjustable stamped steel for added durability and frequent use



CAT NO: VDV211-100

Cat. No.	Type	Overall Length	Color	Cable Type	Connector Type	Weight
VDV211-100	Compression Crimper	229 mm	Yellow/Black	Coaxial	F, BNC, RCA Compression Connectors to Coax	0.4 kg

### F-Connector Compact Compression Crimper

- Fast, reliable F-connector installation tool
- Steel body with black-oxide finish for corrosion resistance and durability
- Fixed plunger allows quick, easy insertion and removal of cable and connector
- Fixed plunger accepts many common F-connector compression fittings
- Compact tool with integrated handle lock
- Yellow and black grips enhance comfort, visibility, and allow quick identification
- Spring loaded return increases user comfort and ease of use



CAT NO: VDV212-008-SEN

Cat. No.	Type	Overall Length	Color	Cable Type	Connector Type	Weight
VDV212-008-SEN	Compression Crimper	142 m	Yellow/Black	Coaxial	Common F Connectors	0.05 kg

## Twisted Pair Crimp/Strip Tools

### Ratcheting Modular Crimper/Stripper

- Fast, reliable modular-crimp connector installation for voice and data applications
- All-in-one tool, cuts, strips and crimps paired-conductor cables (round STP/UTP and flat-satin phone cable)
- Crimps RJ45, RJ11 and RJ12 modular connectors
- Crimping dies are precision ground from high-carbon steel
- Ratchet safety-release and a blade-guard on cutting and stripping knives reduce risk of injury
- Full-cycle ratchet mechanism prevents the release of the connector prior to full compression
- Yellow and black grips enhance comfort, visibility, and allow quick identification
- Not for use with AMP® connectors
- Replacement blade set available



CAT NO: VDV226-011-SEN

Cat. No.	Cuts & Strips	Crimps	Position/Pair/Conductors	Overall Length	Handle Color	Weight
VDV226-011-SEN	STP/UTP, Flat Satin Phone Cable, and 22-28 AWG	RJ11, RJ12, and RJ45	4-Position, 1-Pair/2-Conductor; 4-Position, 2-Pair/4-Conductor; 6-Position, 2-Pair/4-Conductor; 6-Position, 3-Pair/6-Conductor; 8-Position, 4-Pair/8-Conductor	191 mm	Yellow/Black	0.05 kg

### Compact Ratcheting Modular Crimper

- All-inclusive tool cuts, strips and crimps voice and data cables
- Cuts and strips CAT6, CAT5e, CAT3 and flat-satin voice cables
- Crimps RJ45, RJ11 and RJ12 modular connectors
- Heavy-duty ratchet ensures complete termination
- Direct lateral crimp action provides more even, precise contact termination across all pins
- Compact, ergonomic design for natural, single-hand operation
- About 40% smaller than other crimpers for easy storage
- Quick reference connector wiring diagrams provided on the tool and downloadable to your mobile device



CAT NO: VDV226-107

Cat. No.	Cuts & Strips	Crimps	Position/Pair/Conductors	Overall Length	Handle Color	Weight
VDV226-107	STP/UTP Data Cable Flat Satin Phone Cable 28 - 22 AWG	RJ11, RJ12 and RJ45	6-Position, 2 Pair/4-Conductor; 6-Position, 3-Pair/6-Conductor; 8-Position, 4-Pair/8-Conductor	133 mm	Yellow/Black	0.32 kg

### Pass-Thru™ Modular Crimpers

- Fast, reliable modular crimp-connector installation for voice and data applications
- Cable parameters: 28-22 AWG flat or round; solid or stranded telephone and data
- Trims flush to end face of connector to eliminate unintended contact between conductors
- On-tool wiring guide helps minimize wiring errors
- Not for use with standard (non Pass-Thru™) connectors
- Use with Klein Tools Pass-Thru™ Connectors: Cat. Nos. VDV826-728, VDV826-729, VDV826-702, VDV826-703, VDV826-762, and VDV826-763



CAT NO: VDV226-110

### Ratcheting Modular Crimper (VDV226-110)

- All-in-one tool cuts, strips and crimps paired-conductor cables (round STP/UTP and flat-satin phone cables)
- Full-cycle ratchet mechanism ensures complete connector termination
- Rubber grip for added comfort



CAT NO: VDV226-005

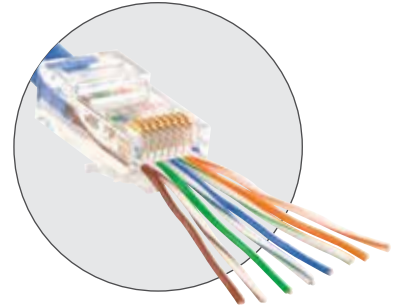
Cat. No.	Cuts & Strips	Crimps	Overall Length	Handle Color	Weight
VDV226-110	STP/UTP, Flat Satin Phone Cable, and 22-28 AWG	RJ11/RJ12 Standard; Klein Tools Pass-Thru™ Connectors	155 mm	Yellow/Black	0.41 kg
VDV226-005	STP/UTP, and 22-28 AWG	RJ45 Klein Tools Pass-Thru™ Connectors	140 mm	Yellow/Black	0.29 kg



## Twisted Pair Connectors

### Pass-Thru™ Modular RJ45 Connectors

- Features Klein's exclusive pass-through design for fast, reliable and consistent connector installations
- Use with Klein Tools Pass Thru™ Modular Crimper (VDV226-110)



Cat. No.	Connector Type	Cable Type	Position & Contacts	Connector Color	Package Quantity	Weight
VDV826-702	RJ45	CAT5e	8P 8C	Clear	50	30 g
VDV826-728	RJ45	CAT5e	8P 8C	Clear	10	140 g
VDV826-762	RJ45	CAT5e	8P 8C	Clear	200	280 g
VDV826-729	RJ45	CAT6	8P 8C	Clear	10	30 g
VDV826-703	RJ45	CAT6	8P 8C	Clear	50	140 g
VDV826-763	RJ45	CAT6	8P 8C	Clear	200	280 g

## Punchdown Tools & Accessories

### Punchdown Tool Krone Blade

- For inserting category cable wires into jacks, modules, panels, and distribution frames
- Includes swing-out combination hook and spudger
- Designed for use on Krone blocks and network infrastructure

Cat. No.	Overall Length	Color	Weight
VDV427-014	226 mm	Black	81.6 g



CAT NO: VDV427-014

### Punchdown Accessories

- Blades compatible with Klein® punchdown tools and other bayonet style (twist & lock) socket tools
- Precision ground cutting-edge for clean, precise wire termination (depending on blade type)
- Terminate, and adjust cable in variety of cross-connect panels, blocks and keystone jacks
- Induction-hardened high-carbon steel blades for durability and long life
- Reversible blades with termination/cutting ends and termination only ends (depending on blade type)
- WorkEnds™ Kit\* converts the Punchdown Multi-Tool chassis into a multi-bit driver



CAT NO: VDV427-015SEN

CAT NO: VDV770-050

Cat. No.	Overall Length	Color	Configuration End 1	Configuration End 2	Weight
VDV427-015-SEN	53 mm	Black	110 Terminate	110 Terminate and Cut	0.05 kg
VDV770-050	81 mm		Proprietary Magnetic Hex	1/4" Female Hex	40 g

\*WorkEnds™ Kit is only compatible with VDV427-807.



## Punchdown Tools & Accessories

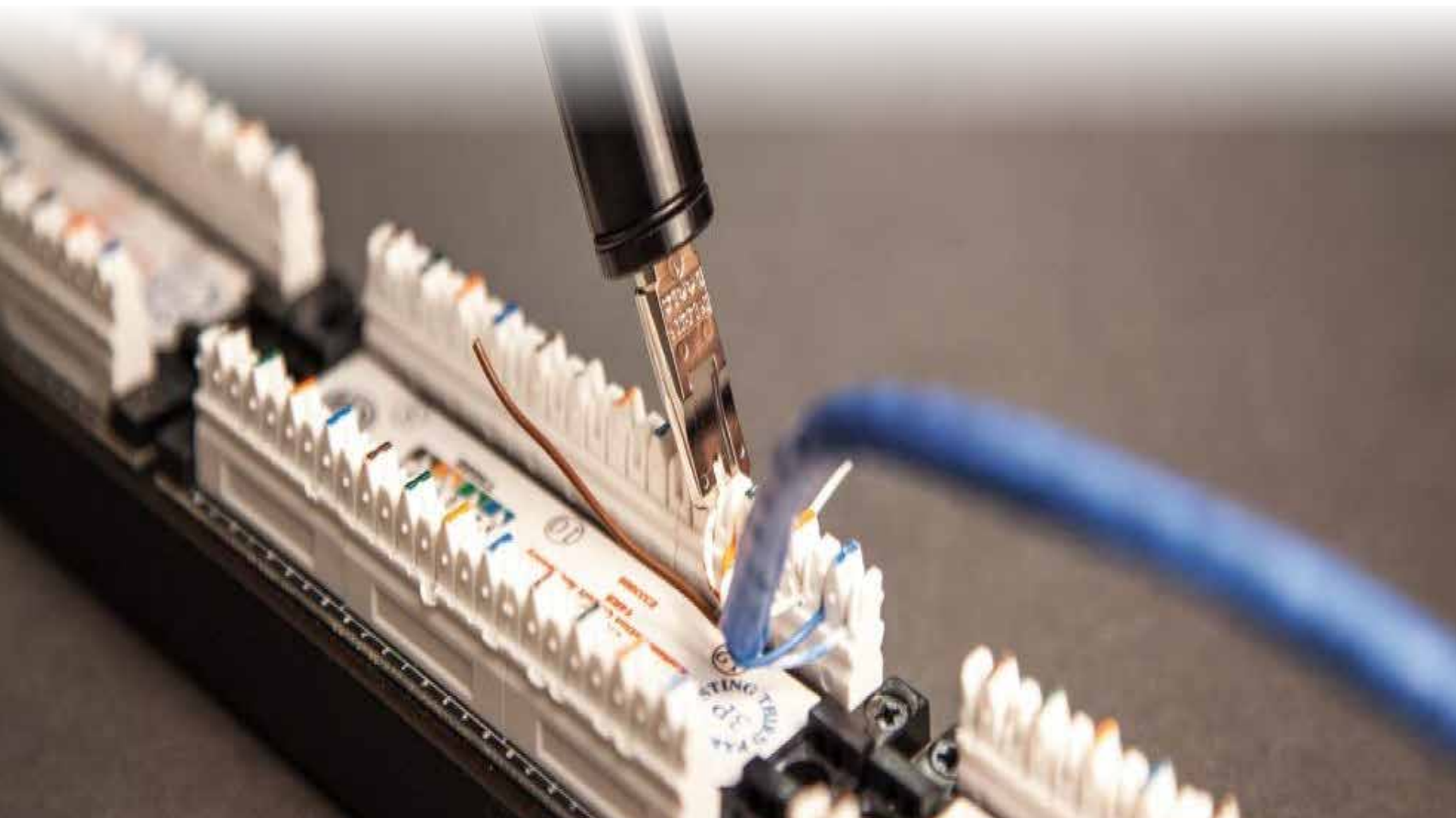
### Cushion-Grip Impact Punchdown Tools

- 4-piece tool kit for complete termination of 110/66 panels, cross-connect systems and wall jacks
- Cushion-Grip Impact Punchdown Tool (VDV427-821) includes a "Hi/Lo" impact functionality for adjustable compression force on various wire gauges, blocks and jacks (US Patent D718585)
- A unique Cushion-Grip handle reduces hand fatigue and provides superior comfort when using the punchdown tool
- Pick-up, separate or remove wires, small components, covers or debris from panels, blocks or jacks with the Wire Pick (VDV327-103)
- The Wire Pick body is made of non-conductive material to prevent shorts. It also has a metal hook end and a non-conductive spudger end
- The DuraBlade 110/66 Cut Combination Punchdown Blade (VDV427-104) is manufactured using a metal injecting molding (MIM) technology for better quality, durability and performance
- The blade has both 110 and 66 cut/terminate edges for clean, accurate wire insertion and trimming. It is compatible with most bayonet style (twist & lock) socket punchdown tools
- The kit-exclusive Multi-Pocket Pouch has separate compartments to store tools, a metal belt clip and a reinforced puncture-resistant bottom



CAT NO: VDV427-822

Cat. No.	Set Contains	Weight		
VDV427-822	Impact Punchdown Tool Kit, Cushion-Grip, 4-Piece	0.42 kg		
Cat. No.	Overall Length	Color	Configuration End 1	Configuration End 2
VDV427-821	210 mm	Black/Yellow	110 Terminate and Cut	66 Terminate and Cut
VDV327-103	184 mm	Yellow	Metal Hook End	Non-Conductive Spudger End
VDV427-104	56 mm	Chrome	110 Terminate and Cut	66 Terminate and Cut



See page 186 for additional information on warnings.



**WARNING:** Do NOT use on energized circuits or cabling systems.



## STONE & PROBE

### Tone & Probe PRO Kit

- Includes a professional grade tone generator and tracing probe for non-energized wiring
- Toner-Pro features 5 distinct tone cadences, transmits 1,000+ feet
- Rugged Angled Bed of Nails (ABN) clips securely attach to wires
- RJ11 plug easily connects to telephone and RJ45 data jacks to tone wire pair
- Toner-Pro tests for continuity and polarity with results indicated by clearly labeled LEDs
- Probe-Pro features 3.5 mm headphone jack for noisy environments (headphones not included)
- Responsive probe with durable non-metallic, replaceable conductive tip (VDV999-068) - sold separately
- Work light on probe tip for use in dark spaces
- Terminal block on probe to confirm the toned pair
- Each tool includes 4X AAA batteries
- Custom, padded, divided, zipper pouch for convenient storage (VDV770-500) included with kit



CAT NO: VDV500-820

Cat. No.	Kit Contains	Weight
VDV500-820	TONEcube & PROBEplus Kit	0.5 kg
Cat. No.	Description	
VDV500-063	Toner-PRO Tone Generator	
VDV500-123	Probe-PRO Tracing Probe	

### Toner-PRO Tone Generator

- Professional grade tone generator for non-active wiring
- For use with Probe-Pro Tracing Probe (VDV500-123) required (sold separately)
- Five distinct tone cadences
- Rugged Angled Bed of Nails (ABN) clips securely attach to wires
- RJ11 plug easily connects to telephone or RJ45 data jacks to tone individual conductors or wire pairs
- Tests for continuity and polarity with response displayed on clearly labeled, easy-to-read LEDs
- Auto Power-Off and Low Battery Indicator
- Loop for a lanyard
- (4) AAA Batteries included



CAT NO: VDV500-063

Cat. No.	Overall Length	Overall Height	Overall Width	Batteries
VDV500-063	63.5 mm	108 mm	25.4 mm	4 x AAA

### Probe-PRO Tracing Probe

- Traces non-energized wiring when used with Toner-Pro Tone Generator (VDV500-063, sold separately)
- Responsive, durable, replaceable non-metallic, conductive tip
- Work light for use in dark spaces
- 3.5 mm headphone jack for noisy environments (headphones not included)
- Terminal block on probe to confirm the toned pair has been located
- Tool-less, twist-and-lock replacement tip (VDV999-068) available
- One push power button with power-on LED indicator - no need to hold button down
- Auto power-off
- Low battery indicator
- 4 x AAA batteries included
- Includes a loop for a lanyard
- Works with Klein's Scout® Pro, Lan Scout®, Jr. and Commander™ series of testers



CAT NO: VDV500-123

Cat. No.	Overall Length	Overall Height	Overall Width	Batteries
VDV500-123	35.6 mm	228.6 mm	30.5 mm	4 x AAA

## Cable Testers & Accessories

### Scout® Pro 3 Tester Kits

Next generation, tester kits feature a larger, backlit display, cable length and now Power over Ethernet (PoE)

- Test voice (RJ11/12), data (RJ45) and video (coax F-connector) cables
- Measure cable length (up to 2,000 feet)
- Backlit LCD screen displays cable length, wiremap, cable ID and test results
- Detect, identify and test Power over Ethernet (PoE)
- Test for Open, Short, Miswire or Split-Pair faults
- Hub Blink mode to identify port location on a hub or a switch
- Includes voltage warning, shield detection, auto power-off and low battery indicator
- Remote options include up to 12 Test + Map™ remotes and up to 18 locator remotes
- All kits include a Self-Storing Test + Map™ Remote
- These models replace the Scout® Pro 2 series of tester kits



Included	Cat. No.	VDV501-851 Starter Kit	VDV501-852 Locator Remote Kit	VDV501-853 Smart Remote Kit	VDV770-850 Test + Map™ Remote Upgrade Kit	VDV770-851 Test + Map™ Remote Expansion Kit
Scout® Pro 3 Tester		●	●	●	–	–
Self-Storing Remote (#1)		●	●	●	–	–
Test + Map™ Remotes		–	–	#2 - #6	#2 - #6	#7 - #12
RJ45 Locator Remotes		5	18	–	–	–
F-Coax Locator Remotes		5	18	–	–	–
Coax F Adapter (female-to-female)		1	2	7	6	6
Coax Barrel Adapters (male-to-female)		–	–	7	2	–
RJ45 Jumper Cables (6")		–	2	7	7	6
RJ11 Jumper Cables (6")		–	2	2	2	2
RJ12 Jumper Cables (6")		–	2	2	2	2
9V Alkaline Battery		●	●	●	–	–
Carrying Case		–	● VDV770-126	● VDV770-125	● VDV770-125	● VDV770-127



**⚠ WARNING:** Do NOT use on energized circuits or cabling systems.

## Cable Testers & Accessories

### Commander™ Series

- Locate, test and measure coaxial, data (RJ45) and telephone (RJ11) cables
- Measure cable length and distance-to-fault with Time Domain Reflectometry (TDR) technology
- Locate and identify cables with location ID remotes, Test-n-Map™ remotes, Link Light and Tone Generator\*
- Detect, identify and test Power-over-Ethernet (PoE)
- Perform active network (Ethernet) testing
- Save up to 256 cable or network tests and export to print reports
- Battery life of 20 hours active and 10 years standby; Probe battery life is 25 hours active and 4 years standby




























CAT NO: VDV501-828



CAT NO: VDV501-829



Features		
	RJ-45 8-Wire Cables	●
	F-connector Coaxial Cables	●
	Telephone Cables	<b>with adapter</b>
	Wiremap	●
	Open Fault	●
	Short Fault	●
	Miswire Fault	●
	Split-Pair Fault	●
<b>Pass</b>	T1568A/B & Crossover/Uplink	●
	Active Ethernet Detects link speed and capabilities to 1 Gbps	●
	Single-End Cable Testing	●
	Test-n-Map™ Remote (Two End Testing) Test and Identify location in one step with remote	<b>supports up to 8</b>
	Power Over Ethernet Testing	●
<b>TDR</b>	Time Domain Reflectometry Length Measurement Method	●
	Measures Cable Length	<b>457 m</b>
$\pm(5\% + 1 \text{ Ft.})$ $\pm(5\% + 0.3 \text{ m})$	Accuracy/ Measurement Resolution	●
	Link Light	●
<b>ID</b>	Cable Identification	<b>supports up to 20</b>
	Shield Detection	●
	Voltage Warning	●
	Low Battery Indicator	●
	Store Test Results	<b>256</b>
	Print / Export Custom Reports	●
	Multiple-style Tone Generator* Down to Single Conductor/Pair/Cable	<b>4</b>
	Color LCD Display	<b>69 mm</b>
	Multiple Languages	<b>ENG · ESP · FRA</b>
<b>Ft./m</b>	Imperial or Metric Results	●
<b>Apo</b>	Auto Power Off	●
	Customizable Setup	●
	USB interface (for PC connection)	<b>MICRO</b>
	Upgradeable Firmware (via internet download & pc connection)	●

Cat. No.	Includes	Batteries	Weight
VDV501-828	1 Commander™ tester, Test-n-Map™ Remote #1, 5 LanMap™ ID Remotes, 5 CoaxMap™ ID remotes, 1 test cable each for USB, RJ12 and RJ45, 1 coax adapter, carrying case	(6) AA Alkaline Included	340 g
VDV501-829	1 Commander™ tester, Test-n-Map™ Remote #1, 1 PROBEplus Tone Tracing Probe, 20 LanMap™ ID Remotes, 20 CoaxMap™ ID remotes, 1 test cable each for USB, RJ12 and RJ45, 1 coax adapter, carrying case	Commander: 6 AA Alkaline Included; Probe: 1 9V Alkaline Included	341 g

\* Functionality requires an analog tone tracing probe VDV500-060 (Included with Cat. No. VDV501-829).

## Cable Testers & Accessories

### Pocket Continuity Tester for Coax Cable

- Simple compact wire tracing of coaxial cables
- Identifies and tests cable drops for pass, short faults and location via audible beep and LED indicators
- LED lights green on a correctly made cable drop, red for short fault
- Remote contains loud audible beep for easy location identification
- Female to female F-adapter (included) enables testing of loose cables and installed cable runs
- Non-slip Cushion-Grip handle for comfort and secure grip of tool
- Docked remote switches tester off to conserve battery life
- Pocket clip secures tester to shirt pocket
- AAA alkaline battery included



CAT NO: VDV512-007

Cat. No.	Overall Length	Overall Height	Overall Width	Weight
VDV512-007	127 mm	19 mm	32 mm	136 g

### Coax Explorer™ 2 Testers

- Test coaxial cable and map up to 4 locations
- Simple push button operation
- Easy to read LED panel indicates PASS, OPEN or SHORT conditions, simplifying cable identification
- Push-on remotes for ease of use
- Cat. No. VDV512-101 includes removable, snap-on remote holder, 4 color-coded push-on remotes, F adapter and batteries
- Snap-on remote holder, 4 color-coded push-on remotes, F adapter and batteries also available separately (Cat. No. VDV512-110)



CAT NO: VDV512-100



CAT NO: VDV512-101



REMOTE KIT  
(SOLD SEPARATELY)  
VDV512-110



Cat. No.	Overall Length	Overall Height	Overall Width	Batteries	Test-n-Map ID Remotes	Weight
VDV512-100	146 mm	25 mm	32 mm	2 x AAA	Includes Red Remote	85 g
VDV512-101	146 mm	25 mm	59 mm	2 x AAA	4 Remotes Included	136 g



See page 186 for additional information on warnings.



**WARNING:** Do NOT use on energized circuits or cabling systems.



## Klein Gear

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We understand the heavy demands on professionals at the jobsite. Klein has developed accessories with the strength to match jobsite demands and make the professional's day less stressful.

For Professionals...  
Since 1857™

Coolers

# TRADESMAN PRO™

## Tough Box Cooler

- Industrial exterior body design supports seating capacity of up to 136 kg
- No rust, stainless steel hinged lid is recessed to accommodate 1 liter water bottles and stays open at 90° to allow uninterrupted access
- Lid opens a full 180° to access interior compartment inside the lid to hold items like medicine, keys, napkins, utensils, etc.
- Shoulder strap holds lid in place while carrying and easily converts to a handle
- Lock hasp fits #1 Master Lock® or equivalent (not included)
- Patent Pending Design



CAT NO: 55600  
NZ REF: KL55600

Cat. No.	Capacity	Overall Length	Overall Height	Overall Width	Number of Compartments	Weight
55600	16.1 L	305 mm	305 mm	412 mm	2	3.0 kg

Master Lock® is a trademark of Master Lock Company

## Tradesman Tumbler

- Tumbler uses double wall vacuum insulated stainless steel to keep liquid cold up to 12 hours and hot up to 4 hours
- Unique double-thread lid design allows easy twisting with gloves on or off
- Flip-top lid locks to form a spill-resistant seal for transport
- Textured silicone outer sleeve enables a slip-resistant grip with gloved or ungloved hands
- Slip-resistant bottom pad friction-grips to most surfaces
- Removable rare earth magnetic lanyard helps secure tumbler to metal objects
- Made from stainless steel and other BPA-free food grade materials



CAT NO: 55580

Cat. No.	Capacity	Overall Length	Overall Height	Overall Width	Weight
55580	590 mL (20 oz)	107 mm	213 mm	99 mm	0.5 kg

## Soft Lunch Cooler

- Stays cool for up to 12 hours
- Double-thick, leak-resistant anti-microbial liner
- 1680d ballistic weave for durability
- Fully-molded bottom protects against the elements
- Separate upper "doghouse" compartment keeps certain items from getting crushed
- Mesh side pockets for extra items
- Front zipper pocket holds keys, napkins, medicine, etc.
- Shoulder strap and handle for easy carrying



KEEPS COOL UP TO **12 HOURS** | **DOUBLE-THICK LINER**



CAT NO: 55601

Cat. No.	Overall Length	Overall Height	Overall Width	Number of Compartments	Weight
55601	241 mm	330 mm	305 mm	4	1.5 kg

See page 186 for additional information on warnings.



## Accessories

### Tradesman Pro™ Magnetic Wristband

- Wrap around your wrist, belt, or tool bag and keep small parts easily within reach
- Contoured for a comfortable fit around most wrist sizes
- Strong rare earth magnets keep small parts close at hand
- Breathable mesh interior for comfort
- Made of durable 1680d ballistic material
- Secure adjustable hook and loop closure

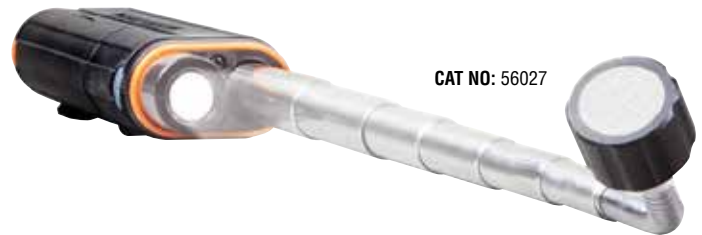


CAT NO: 55895  
NZ REF: KL55895

Cat. No.	Overall Length	Overall Height	Overall Width	Weight
55895	337 mm	102 mm	19 mm	113 g

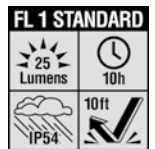
### Telescoping Magnetic LED Pickup Tool

- Telescoping extension 610 mm beyond arm's reach to retrieve magnetically-attractive tools and parts
- Powerful magnetic head with 907 g pickup strength
- LED light provides long-lasing illumination to guide you to and from your target
- 75 mm goose-neck end bends to aid with pickup and to work around obstacles
- Pocket clip for easy, convenient storage



CAT NO: 56027

Cat. No.	Lumens	Batteries	Battery Life	Drop Protection	Weight
56027	25	2 x AAA Included	10 Hours	3 m	180 g



### Magnetiser / Demagnetiser

- Magnetizes and demagnetizes screwdriver tips and bits using powerful rare-earth magnets
- Single swipe operation provides immediate magnetization/demagnetization
- Fits most screwdrivers including precision screwdrivers, 1/4 Slotted, #2 Phillips and #3 Phillips
- Attaches to tool bags or backpacks with the included stainless steel key ring
- No batteries required

Cat. No.	Overall Length	Overall Height	Overall Width	Weight
MAG2	56 mm	17 mm	26 mm	32 g



CAT NO: MAG2  
NZ REF: KLMAG2





# WIRELESS JOBSITE SPEAKER

*iPhone / Android compatible*

Cat. No.	Overall Length	Overall Height	Overall Width	Weight
AEPJS1	98 mm	89 mm	54 mm	283 g

Cat. No.	Overall Length	Overall Height	Overall Width	Weight
AEPJS2	104 mm	107 mm	40 mm	283 g

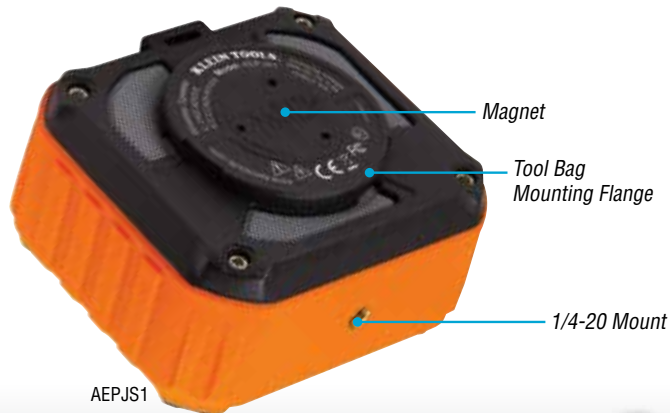
5 watts of high-quality sound for smart phones, tablets, computers and other audio devices via a wireless Bluetooth\* connection or wired auxiliary input. It answer calls hands-free with the built-in speakerphone and can be magnetically attached to any steel surface, mounted to a standard 1/4-20 tripod, attached to a lanyard, or simply stood up on any solid, level surface.

Klein Tools' Bluetooth® Speaker with Magnetic Strap offers great sound plus more mounting options. The flexible strap can be used on conduit, backpacks, cooler handles, belt loops...Wherever you want to go. A magnet is smartly embedded in the strap allowing you to attach it to any ferrous surface. This speaker provides high-quality, crisp treble and bold bass via a Bluetooth® wireless connection or wired auxiliary input. With great sound, the hands-free speakerphone, and superior mounting options, this rugged speaker is essential for both on and off the job site.

**TOP, SIDE & FRONT OF UNIT**












**BOTTOM & BACK OF UNIT**



**NEW**  
Product



 10h  
  10 m  
  5  
  2 m  
 

\*Bluetooth is a registered trademark of Bluetooth Special Interest Group.



## Entertainment

### Klein Bottle Opener

- Suitable for users from the apprentice to the demanding professional
- Cushion-Grip handle resists slippage and provides the comfort needed for frequent use
- Bottle cap Tip-Ident®, allows for quick identification in tool pouches or crowded drawers
- Professionally designed and rigorously tested by an expert team to handle both foreign and domestic applications
- High-quality stainless steel construction



CAT NO: 98002BT

Cat. No.	Overall Length	Overall Height	Overall Width	Weight
98002BT	171 mm	35 mm	32 mm	0.11 kg





## Cable Glands & Accessories

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With the ever changing requirements for gland performance, Alco continues to develop their glands to meet the stringent performance requirements of today's modern industry.

For Professionals...  
Since 1857™

### Weatherproof Cable Glands

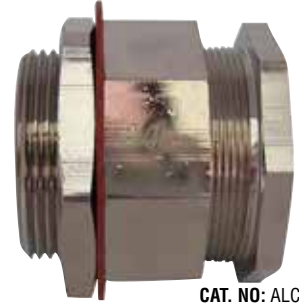
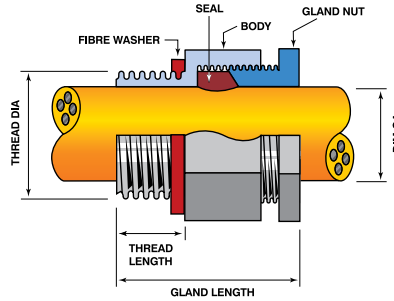
#### Premium Weatherproof Cable Glands For Unarmoured Cable

- For indoor or outdoor use
- Provides seal on cable sheath
- Degree of protection against ingress of water IP66/68
- Compliance with AS 1939-1990
- Locknut is supplied as standard

**Material:** Brass, Nickel Plated

**Seal:** TPE

**Temperature Range:** -20°C to +80°C



CAT. NO: ALCUW25

Cat. No.	Sealing Range (Mm)				Thread Diameter X Length	Pitch	Gland Diameter		Gland Length		Torque (Nm)	Orange Shroud*		Box Qty
	Seal B (Thick)		Seal A (Thin)				Across Flats	Across Points	Uncompressed	Compressed		PVC	Silicon	
	OA Min	OA Max	OA Min	OA Max										
ALCUW12	1.5	3.5	3.5	6.0	M12 x 10	1.5	17.5	18.9	32.0	25	5	-	ALCSG0S	30
ALCUW16S	1.5	3.5	3.5	6.0	M16 x 10	1.5	20.0	21.6	32.0	25	9	-	ALCSG0S	30
ALCUW16	5.0	7.5	7.5	10.0	M16 x 10	1.5	18.0	19.4	32.0	25	9	-	ALCSG0S	30
ALCUW20A	5.0	7.5	7.5	10.0	M20 x 10	1.5	23.0	24.7	32.0	25	13	ALCSG1	ALCSG1S	20
ALCUW20	10.0	11.0	11.0	15.0	M20 x 10	1.5	22.5	24.2	32.0	25	13	ALCSG1	ALCSG1S	20
ALCUW25	14.5	17.0	17.0	20.0	M25 x 12	1.5	30.0	32.3	37.5	29	21	ALCSG2L	ALCSG2LS	15
ALCUW32	20.0	23.0	23.0	26.5	M32 x 12	1.5	36.0	38.7	39.5	30	34	ALCSG3	ALCSG3S	10
ALCUW40	26.0	30.0	30.0	33.5	M40 x 15	1.5	45.0	48.4	44.5	35	53	ALCSG4	ALCSG4S	8
ALCUW50	33.0	36.0	36.0	42.0	M50 x 15	1.5	55.0	59.1	49.5	35	83	ALCSG5	ALCSG5S	5
ALCUW63	41.5	46.0	46.0	52.0	M63 x 19	1.5	67.5	72.5	56.5	45	132	ALCSG6	ALCSG6S	2
ALCUW75	51.0	56.0	56.0	65.0	M75 x 19	1.5	90.0	97.4	66.0	50	188	-	ALCSG7S	2
ALCUW82	-	-	65.0	76.0	M82 x 19	1.5	100.0	106.6	70.0	58	225	-	ALCSG8S	1
ALCUW105	75.0	80.0	82.0	89.0	M105 x 30	2.0	120.0	129.0	148.0	110	288	-	-	1
ALCUW120A	89.0	92.0	92.0	98.0	M120 x 30	2.0	140.0	150.0	148.0	110	288	-	-	1
ALCUW120B	-	-	96.0	105.0	M120 x 30	2.0	140.0	150.0	148.0	110	288	-	-	1

\* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). Available in stainless steel upon request, lead times apply.  
See website for fitting instructions. # All dimensions in mm unless otherwise specified.

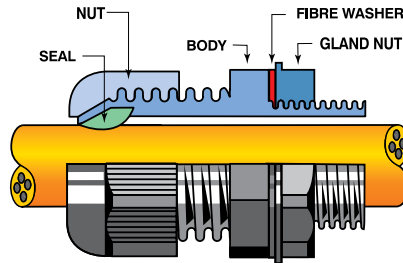
## OTHER TYPES OF GLAND RANGES

- WEATHERPROOF NYLON GLANDS
- HAZARDOUS NYLON GLANDS
- WEATHERPROOF METAL GLANDS FOR UNARMORED CABLE
- HAZARDOUS METAL GLANDS FOR UNARMORED CABLE
- WEATHERPROOF METAL GLANDS FOR ARMORED CABLE
- HAZARDOUS METAL GLANDS FOR ARMORED CABLE
- BARRIER GLANDS
- EMC METAL GLANDS
- HAZARDOUS EMC METAL GLANDS



## Nylon Cable Gland For Unarmoured Cable

- For indoor or outdoor use
- Provides seal on cable sheath
- Halogen Free
- UV protected
- Seals available to suit 1.5, 2.5 & 4.0mm twin and earth TPS cable (ALCMG20 and ALCMG25 only)
- IP68 (50m)
- Locknut is supplied as standard



CAT. NO: ALCMG25

**Material:** Polyamide

**Seal:** Neoprene

**Temperature Range:** -30°C to +80°C (up to 150°C intermittent)

Cat. No.	Cable Sealing Range (Mm)		Thread Diameter X Length	Diameter Across Flats	Orange Shroud*		Box Qty
	Min	Max			PVC	Silicon	
ALCMG12	3.0	6.5	M12 x 8	15	-	-	40
ALCMG16	5.0	10.0	M16 x 15	22	ALCSG1	ALCSG1S	25
ALCMG20	10.0	14.0	M20 x 15	27	ALCSG2	ALCSG2S	25
ALCMG25	11.0	17.0	M25 x 15	29	-	ALCSG2LS	15
ALCMG32	18.0	25.0	M32 x 15	42	-	ALCSG3L	5
ALCMG40	22.0	32.0	M40 x 18	53	ALCSG5	ALCSG5S	4
ALCMG50	30.0	38.0	M50 x 18	60	ALCSG5	ALCSG5S	2
ALCMG63	34.0	44.0	M63 x 18	65	ALCSG6	ALCSG6S	2
ALCMG75	48	55	M75 x 25	80	-	ALCSG6L	5

\*For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread pitch 1.5mm unless otherwise specified. See product and/or website for fitting instructions. \*\*No suitable shroud available, use HSTNW18/9 size heatshrink instead NPT and PG fittings available upon request, lead times apply.  
# All dimensions in mm unless otherwise specified.

## WE ALSO HAVE GLAND ACCESSORIES



# Conduit & Accessories

Manufactured to the highest specifications, we offer the extensive range of Anaconda conduit systems certified for any environment. With conduits to suit general usage, as well as specialised products for specific industries and applications, we have the right product for every application.

Alco also offers a range of European designed and made flexible and easy to install nylon conduit and fittings.



For Professionals...  
Since 1857™

### AEF Type Anaconda Flexible Metal Conduit

- Provides cable protection in harsh environments
- Provides dust and liquid tight protection of cables
- Extra flexible all-purpose wiring conduit with galvanised steel core
- Uses standard liquid-tight fittings for easy installation
- Smooth appearing cover for exposed applications with convenient markings in feet
- No copper ground wire

**Approvals:** IP67 rating when installed with approved connectors

**Temperature Range:** -15°C to +60°C

Classification	Value	Description
Compression resistance	4	Heavy (1250 N)
Impact resistance	4	Heavy (6J)
Minimum temperature	3	-15°C
Maximum temperature	1	+60°C
Bending resistance	4	Flexible
Electrical properties	3	With continuity and insulating characteristics
Resistance to ingress of solid Foreign objects (I)	6	Protected against dust (dustproof)
Resistance to ingress of water (P)	7	Watertight (1 metre deep, 30 min.)
Corrosion resistance Inside/outside	3	Medium/High
Tensile Strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared



CAT. NO: AEF12-30



Cat. No.	Conduit Size		Inside Diameter (mm)	Outside Diameter (mm)	Approx Inside Bend Dia (mm)	Weight (KG/30M)	THREAD SIZE (mm)	Length (M)	Suitable Fitting Part Number		
	mm	Inches							Straight	45°	90°
AEF14-15	10	3/8	6.2	11.3	43.2	6.3	10	15	N/A	N/A	N/A
AEF16-15	12	5/16	9.9	14.2	50.8	6.8	12	15	N/A	N/A	N/A
AEF38-15	16	3/8	12.3	17.5	50.8	9.5	16	15	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
AEF38-30	16	3/8	12.3	17.5	50.8	9.5	16	30	C16/M16 C16/M20	C16/M16/45A C16/M20/45A	C16/M16/90A C16/M20/90A
AEF12-15	20	1/2	15.7	20.8	63.5	11.3	20	15	C20/M20	C20/M20/45A	C20/M20/90A
AEF12-30	20	1/2	15.7	20.8	63.5	11.3	20	30	C20/M20	C20/M20/45A	C20/M20/90A
AEF34-15	25	3/4	20.7	26.2	76.2	17.7	25	15	C25/M25	C25/M25/45A	C25/M25/90A
AEF34-30	25	3/4	20.7	26.2	76.2	17.7	25	30	C25/M25	C25/M25/45A	C25/M25/90A
AEF100-15	32	1	26.2	32.8	101.6	23.1	32	15	C32/M32	C32/M32/45A	C32/M32/90A
AEF100-30	32	1	26.2	32.8	101.6	23.1	32	30	C32/M32	C32/M32/45A	C32/M32/90A
AEF114-15	40	1 1/4	34.7	41.5	114.3	29.9	40	15	C40/M40	C40/M40/45A	C40/M40/90A
AEF112-15	50	1 1/2	40.0	47.4	139.7	47.2	50	15	C50/M50	C50/M50/45A	C50/M50/90A
AEF200-15	63	2	51.3	59.5	177.8	61.7	63	15	C63/M63	C63/M63/45A	C63/M63/90A
AEF300	95	3	77.9	87.9	381.0	115.7	95	7.62	B21013000	N21013000	L21013000
AEF400	128	4	101.6	113.3	431.8	164.2	128	7.62	B21014000	N21014000	L21014000

Note: Larger sizes of conduit available upon request, however lead times apply. Spare grounding cones and seals also available e.g. CT/M20 for 20mm grounding cone and CTS/M20 for 20mm seal. # All dimensions in mm unless otherwise specified.

## Conduit Fittings

### Metal Conduit Fittings to suit Anaconda Conduit

- For indoor or outdoor wet corrosive environments
- Provides dust and liquid-tight connection to liquid-tight flexible metal conduit

#### Material

Body and cap:	<b>Brass, Nickel Plated</b>	<b>Stainless Steel Grade 316</b>
Ferrule:	Tin Plated Steel	Tin Plated Steel
Inner seal:	Polyamide 6	Polyamide 6
Throat insulator:	Polyamide 6	Polyamide 6
Nut:	Brass, Nickel Plated	SS Grade 316

<b>Temperature Range</b>	-45°C to +105°C	-45°C to +105°C
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CAT. NO: C20/M20



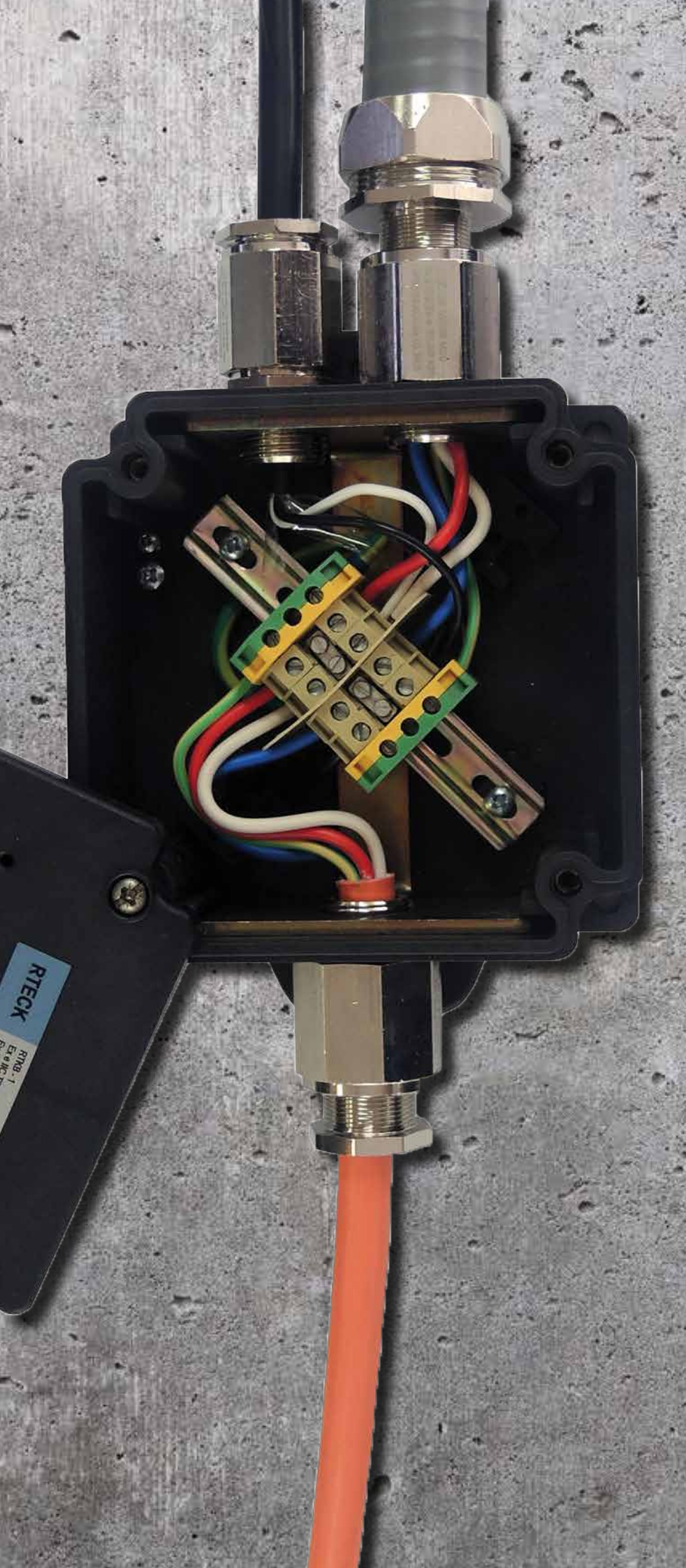
CAT. NO: C20/M20/45A



CAT. NO: C20/M20/90A

Cat. No.	Conduit Size		Thread Size (mm)	Max Internal Diameter (mm)	Body Style	Diameter Across Nut		Box Qty
	mm	Inches				flats (mm)	points (mm)	
C16/M16	16	3/8	16	10.2	straight	26	29	10
C16/M16-SS	16	3/8	16	10.2	straight	26	29	10
C16/M16/45A	16	3/8	16	10.2	45 degrees	26	29	10
C16/M16/90A	16	3/8	16	10.2	90 degrees	26	29	10
C16/M20	16	3/8	20	10.2	straight	26	29	10
C16/M20/45A	16	3/8	20	10.2	45 degrees	26	29	10
C16/M20/90A	16	3/8	20	10.2	90 degrees	26	29	10
C20/M20	20	1/2	20	13.5	straight	29	32.7	10
C20/M20-SS	20	1/2	20	13.5	straight	29	32.7	10
C20/M20/45A	20	1/2	20	13.5	45 degrees	29	32.7	10
C20/M20/90A	20	1/2	20	13.5	90 degrees	29	32.7	10
C25/M25	25	3/4	25	18.5	straight	35	38.6	10
C25/M25-SS	25	3/4	25	18.5	straight	35	38.6	10
<b>C25/M25/45A</b>	25	3/4	25	18.5	45 degrees	35	38.6	10
<b>C25/M25/90A</b>	25	3/4	25	18.5	90 degrees	35	38.6	10
<b>C32/M32</b>	32	1	32	23.5	straight	45	50	1
<b>C32/M32-SS</b>	32	1	32	23.5	straight	45	50	1
<b>C32/M32/45A</b>	32	1	32	23.5	45 degrees	45	50	1
<b>C32/M32/90A</b>	32	1	32	23.5	90 degrees	45	50	1
C40/M40	40	1 1/4	40	31.8	straight	54	60	1
<b>C40/M40-SS</b>	40	1 1/4	40	31.8	straight	54	60	1
<b>C40/M40/45A</b>	40	1 1/4	40	31.8	45 degrees	54	60	1
C40/M40/90A	40	1 1/4	40	31.8	90 degrees	54	60	1
C50/M50	50	1 1/2	50	36.8	straight	63	69.2	1
<b>C50/M50-SS</b>	50	1 1/2	50	36.8	straight	63	69.2	1
<b>C50/M50/45A</b>	50	1 1/2	50	36.8	45 degrees	63	69.2	1
<b>C50/M50/90A</b>	50	1 1/2	50	36.8	90 degrees	63	69.2	1
C63/M63	63	2	63	47.8	straight	72	85	1
C63/M63-SS	63	2	63	47.8	straight	72	85	1
<b>C63/M63/45A</b>	63	2	63	47.8	45 degrees	72	85	1
<b>C63/M63/90A</b>	63	2	63	47.8	90 degrees	72	85	1





## Enclosures

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Alco offers a wide range of Alco branded junction boxes and enclosures, and the R-tech and Pratley ranges of Hazardous Area junction boxes.

The Alco boxes consist of two ranges. The Alco Easy boxes come in a wide ranges of sizes from #0 (0.4l) to #9 (14l) and are dust and water resistant with IP56 or better rating.

For Professionals...  
Since 1857™

## Weatherproof Enclosures

### Adaptable PVC Enclosures

- Professional wide-ranging solution for junction boxes and control enclosures
- IP56, Dust and water resistant
- High impact resistance
- Fully insulated
- Corrosion free
- Sealed cover
- Grey colour
- Threaded entries and knockouts for conduit and cabling entry
- Compliance with AS 1939-1990
- ALCEZIBOX0 supplied with: 2 x 20mm & 1 x 25mm screwed adaptors



CAT. NO: ALCEZIBOX0

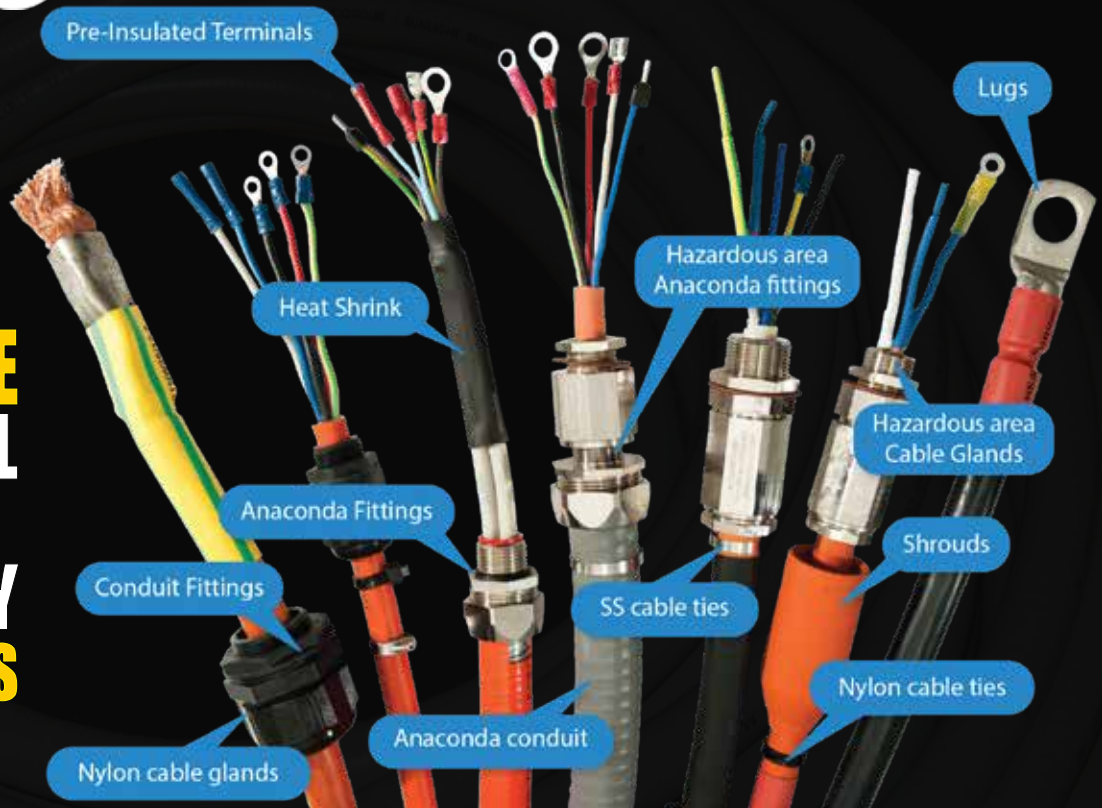


CAT. NO: ALCEZIBOX1 to 9

Cat. No.	Height	Width	Depth
ALCEZIBOX0	85 mm	85 mm	62 mm
ALCEZIBOX1	105 mm	105 mm	72 mm
ALCEZIBOX2	120 mm	85 mm	72 mm
ALCEZIBOX3	120 mm	120 mm	93 mm
ALCEZIBOX4	160 mm	120 mm	93 mm
ALCEZIBOX5	230 mm	120 mm	72 mm
ALCEZIBOX6	230 mm	175 mm	93 mm
ALCEZIBOX7	230 mm	175 mm	160 mm
ALCEZIBOX8	315 mm	244 mm	123 mm
ALCEZIBOX9	315 mm	244 mm	213 mm

# Alco

## COMPLETE ELECTRICAL CABLE ACCESSORY SOLUTIONS



# Battery & Hydraulic Crimpers

The Alco range includes simple 6 and 12 tonne hand crimpers and 6 and 12 tonne 18V battery powered crimping tools that are loaded with features. The range is suitable for crimping up to 400mm<sup>2</sup>. We also have a 30t crimp tool that can be supplied with a hand operated or 240V electric pump for crimping up to 800mm<sup>2</sup>. Our cable cutters can cut cable up to 95mm<sup>2</sup> ensuring we have the right tool for every application.



For Professionals...  
Since 1857™

### Hand Hydraulic Crimpers

#### 6 Ton Hand Hydraulic Crimping Range

- Flip open head with 180o opening
- Easy operation
- Rigid and anti-slip handle
- To suit Alco 6 tonne copper and aluminium dies
- Comes in sturdy, portable carry case



CAT. NO: ALCHC-6

Head type	Crimping force	Rated Pressure	Crimping capacity	Weight
Flip top	6 Tonne	720 Bar	300mm <sup>2</sup> (CU)/300mm <sup>2</sup> (AL)	3.7 kg
Available Kits				
Cat. No.	Description	Kit Contains		
		Cat. No.	Description	
ALCHC-6	6 Tonne Hand Hydraulic Crimper Tool	-	-	
ALCHC-6/WD	6 Tonne Hand Hydraulic Crimper Tool with Dies	ALCHC-6 ALCK6-DIEKIT	6 Tonne Hand Hydraulic Crimper Tool 6 Tonne Die kit 10-300 mm	

#### 12 Ton Hand Hydraulic Crimping Range

- C-head with large 42mm opening width
- Oil seal - Precision design, avoid oil leakage
- Rotating the handle enable pressure relief
- Easy operation
- Rigid and anti-slip handle
- To suit Alco 12 ton copper and aluminium dies
- Comes in sturdy, portable carry case



CAT. NO: ALCHC-12

Head type	Crimping force	Crimping capacity	Weight
C-Type	12 Tonne	Copper: 16-400mm <sup>2</sup> Aluminium: 10-300mm <sup>2</sup>	8.2 kg
Available Kits			
Cat. No.	Description	Kit Contains	
		Cat. No.	Description
ALCHC-12	12 Tonne Hand Hydraulic Crimper Tool	-	-
ALCHC-12/WD	12 Tonne Hand Hydraulic Crimper Tool with Dies	ALCHC-12 ALCK12-DIEKIT	12 Tonne Hand Hydraulic Crimper Tool 12 Tonne Die kit 16-400 mm

## Battery Crimpers

### 6 Ton Battery Crimping Range

- Flip open head with 180o opening
- Suitable for crimping in narrow working spaces
- Super quick, light weight and easy to operate.
- Built in safety valve, automatic pressure-relief at Max. pressure.
- Built-in microchip controller, more crimping times with one time charge, protect the device body.
- Crimping head rotates 360 degrees, suitable for different angles.
- Battery not included



CAT. NO: ALCCT-6

Head type	Crimping force	Rated Pressure	Crimping capacity	Weight
Flip top	6 Tonne	720 Bar	300mm <sup>2</sup> (CU)/300mm <sup>2</sup> (AL)	3.1 kg

Available Kits				
Cat. No.	Description	Kit Contains		
		Cat. No.	Description	
ALCCT-6	6 Tonne Battery Crimper (skin only)	-	-	
ALCCT-6/WD	6 Tonne Battery Crimper Tool with Dies	ALCCT-6 ALCK6-DIEKIT	6 Tonne Battery Crimper (skin only) 6 Tonne Die kit 10-300 mm	
ALCCT-6/WA	6 Tonne Battery Crimper Tool with Adaptors	ALCCT-6 ALCBAMKDW ALCBAMKMW	6 Tonne Battery Crimper (skin only) Battery Adaptor Makita to Dewalt Battery Adaptor Makita to Milwaukee	
ALCCT-6/KIT	6 Tonne Battery Crimper Kit	ALCCT-6 ALCK6-DIEKIT ALCBAMKDW ALCBAMKMW	6 Tonne Battery Crimper (skin only) 6 Tonne Die kit 10-300 mm Battery Adaptor Makita to Dewalt Battery Adaptor Makita to Milwaukee	

### 12 Ton Battery Crimping Range

- Large opening, robust and durable, rotatable head 360°C
- Multifunctional LED light to indicate low battery charge and maintenance control
- Quick retract by pressing the button if necessary
- Ergonomic 2-component housing design, optimized centre of gravity for easy handling
- 12-tonne output, efficient and quick, accurate crimping
- Battery not included



CAT. NO: ALCCT-12

Head type	Crimping force	Jaw opening	Crimping capacity	Number of Crimps	Weight
C-Type	12 Tonne	42 mm	400mm <sup>2</sup> (CU)/240mm <sup>2</sup> (AL)	Approx 115 crimps (CU 150mm <sup>2</sup> DIN)	7.0 kg

Available Kits				
Cat. No.	Description	Kit Contains		
		Cat. No.	Description	
ALCCT-12	12 Tonne Battery Crimper (skin only)	-	-	
ALCCT-12/WD	12 Tonne Battery Crimper Tool with Dies	ALCCT-12 ALCK12-DIEKIT	12 Tonne Battery Crimper (skin only) 12 Tonne Die kit 16-400 mm	
ALCCT-12/WA	12 Tonne Battery Crimper Tool with Adaptors	ALCCT-12 ALCBAMKDW ALCBAMKMW	12 Tonne Battery Crimper (skin only) Battery Adaptor Makita to Dewalt Battery Adaptor Makita to Milwaukee	
ALCCT-12/KIT	12 Tonne Battery Crimper Kit	ALCCT-12 ALCK12-DIEKIT ALCBAMKDW ALCBAMKMW	12 Tonne Battery Crimper (skin only) 12 Tonne Die kit 16-400 mm Battery Adaptor Makita to Dewalt Battery Adaptor Makita to Milwaukee	

## Crimping Tools Accessories

### 6 Ton Die Kit

- 6 Ton Copper Die Kit
- 12 pieces stored in convenient case
- For hexagonal crimping of cable
- Dies can also be sold individually

Cat. No.	Kit Contains
ALCK6-DIEKIT	ALCK6-C10      6 ton copper die for 10mm <sup>2</sup> cable
	ALCK6-C16      6 ton copper die for 16mm <sup>2</sup> cable
	ALCK6-C25      6 ton copper die for 25mm <sup>2</sup> cable
	ALCK6-C35      6 ton copper die for 35mm <sup>2</sup> cable
	ALCK6-C50      6 ton copper die for 50mm <sup>2</sup> cable
	ALCK6-C70      6 ton copper die for 70mm <sup>2</sup> cable
	ALCK6-C95      6 ton copper die for 95mm <sup>2</sup> cable
	ALCK6-C120     6 ton copper die for 120mm <sup>2</sup> cable
	ALCK6-C150     6 ton copper die for 150mm <sup>2</sup> cable
	ALCK6-C185     6 ton copper die for 185mm <sup>2</sup> cable
	ALCK6-C240     6 ton copper die for 240mm <sup>2</sup> cable
	ALCK6-C300     6 ton copper die for 300mm <sup>2</sup> cable



CAT. NO: ALCK6-DIEKIT

### 12 Ton Die Kit

- 12 Ton Copper Die Kit
- 12 pieces stored in convenient case
- For hexagonal crimping of cable
- Dies can also be sold individually

Cat. No.	Kit Contains
ALCK12-DIEKIT	ALCK12-C16     12 ton copper die for 16mm <sup>2</sup> cable
	ALCK12-C25     12 ton copper die for 25mm <sup>2</sup> cable
	ALCK12-C35     12 ton copper die for 35mm <sup>2</sup> cable
	ALCK12-C50     12 ton copper die for 50mm <sup>2</sup> cable
	ALCK12-C70     12 ton copper die for 70mm <sup>2</sup> cable
	ALCK12-C95     12 ton copper die for 95mm <sup>2</sup> cable
	ALCK12-C120    12 ton copper die for 120mm <sup>2</sup> cable
	ALCK12-C150    12 ton copper die for 150mm <sup>2</sup> cable
	ALCK12-C185    12 ton copper die for 185mm <sup>2</sup> cable
	ALCK12-C240    12 ton copper die for 240mm <sup>2</sup> cable
	ALCK12-C240    12 ton copper die for 300mm <sup>2</sup> cable
	ALCK12-C400    12 ton copper die for 400mm <sup>2</sup> cable



CAT. NO: ALCK12-DIEKIT

# Terminals

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With over 20 years' experience Alco has developed an extensive range of terminals that are UL listed. Our in house engineering capabilities mean we have extensive knowledge, not just of the products themselves but also of the application of the range. To complement our terminal offer we have a wide variety of hand tools to meet your crimping requirements.



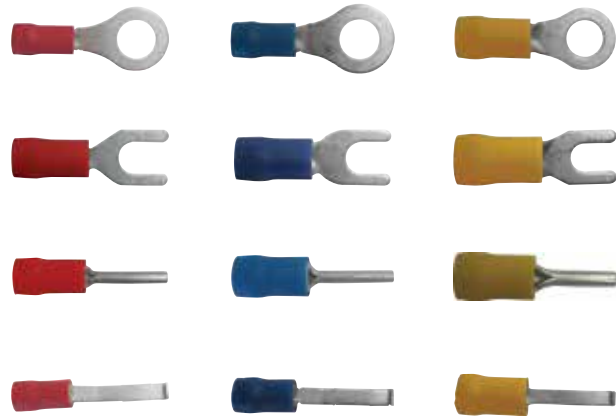
For Professionals...  
Since 1857™

## Pre-Insulated Terminals

### Pre-Insulated Terminals (600V)

- Pre-insulated double crimp terminals
- Three piece construction
- Colour-coded PVC insulation for easy identification
- Easy entry
- 600V max

**Operating Temperature:** +105°C



Red			
Cat. No.	Conductor size (0.5-1.5mm <sup>2</sup> )	Stud size (mm)	Pack Qty
<b>Ring Terminals</b>			
ALCRR3.7/100		3.7	100
ALCRR4/12		4	12
ALCRR4/100		4	100
ALCRR5/12		5	12
ALCRR5/100		5	100
ALCRR6/8		6	8
ALCRR6/100		6	100
ALCRR8/100		8	100
ALCRR10/100		10	100

Fork Terminals			
ALCFR3.7/100		3.7	100
ALCFR4/10		4	10
ALCFR4/100		4	100
ALCFR5/100		5	100
ALCFR6/100		6	100

Pin Terminals	Pin dia (mm)	Pack Qty
ALCPINR/100		1.9

Lip Blades	Blade width (mm)	Pack Qty
ALCLTR/100		3.0

Splice Terminals	Pack Qty
ALCSPLR/12	
ALCSPLR/100	

Blue			
Cat. No.	Conductor size (1.5-2.5mm <sup>2</sup> )	Stud size (mm)	Pack Qty
<b>Ring Terminals</b>			
ALCRB3.7/100		3.7	100
ALCRB4/10		4	10
ALCRB4/100		4	100
ALCRB5/100		5	100
ALCRB6/7		6	7
ALCRB6/100		6	100
ALCRB8/100		8	100
ALCRB10/100		10	100

Fork Terminals			
ALCFB3.7/100		3.7	100
ALCFB4/10		4	10
ALCFB4/100		4	100
ALCFB5/100		5	100
ALCFB6/100		6	100

Pin Terminals	Pin dia (mm)	Pack Qty
ALCPINB/100		1.9

Lip Blades	Blade width (mm)	Pack Qty
ALCLTB/100		3.0

Splice Terminals	Pack Qty
ALCSPLB/12	
ALCSPLB/50	

Yellow			
Cat. No.	Conductor size (4.0-6.0mm <sup>2</sup> )	Stud size (mm)	Pack Qty
<b>Ring Terminals</b>			
ALCRY3.7/50		3.7	50
ALCRY4/50		4	50
ALCRY5/50		5	50
ALCRY6/5		6	5
ALCRY6/50		6	50
ALCRY8/50		8	50
ALCRY10/50		10	50
ALCRY12/40		12	50

Fork Terminals			
ALCFY3.7/50		3.7	50
ALCFY4/50		4	50
ALCFY5/50		5	50
ALCFY6/50		6	50
ALCFY8/50		12	50

Pin Terminals	Pin dia (mm)	Pack Qty
ALCPINY/50		1.9

Lip Blades	Blade width (mm)	Pack Qty
ALCLTY/50		3.0

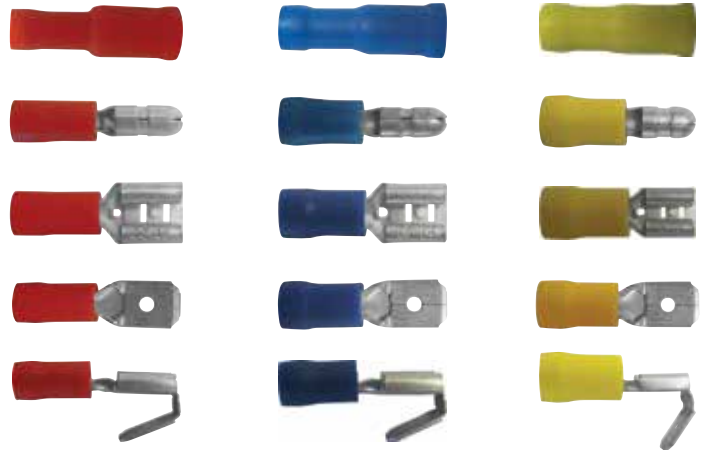
Splice Terminals	Pack Qty
ALCSPLY/50	



## Pre-Insulated Disconnects Terminals (300V)

- Pre-insulated double crimp terminals
- Three piece construction
- Colour-coded PVC insulation for easy identification
- Easy entry
- 600V max (except the Quick disconnects and Tab disconnects which are 300V max)

Operating Temperature: +105°C



Red			
Cat. No.	Conductor Size (0.5-1.5mm <sup>2</sup> )	Stud size (mm)	Pack Qty
Bullet Receptacles		Bullet Dia (mm)	
ALCBRR/100		4.0	100

Blue			
Cat. No.	Conductor Size (1.5-2.5mm <sup>2</sup> )	Stud size (mm)	Pack Qty
Bullet receptacles		Bullet dia (mm)	
ALCBBR/100		4.0	100
ALCBBR5/100		5.0	100

Yellow			
Cat. No.	Conductor Size (4.0-6.0mm <sup>2</sup> )	Stud size (mm)	Pack Qty
Bullet receptacles		Bullet dia (mm)	
ALCBRY/50		5.0	50

Bullet Terminals	Bullet dia (mm)	Pack Qty
ALCBTR/100		4.0

Bullet Terminals	Bullet dia (mm)	Pack Qty
ALCBTB/100		4.0
ALCBTB5/100		5.0

Bullet Terminals	Bullet dia (mm)	Pack Qty
ALCBTY/50		5.0

Quick Disconnects	Width (mm)	Pack Qty
ALCFQDR/10		6.35
ALCFQDR/100		6.35

Quick Disconnects	Width (mm)	Pack Qty
ALCFQDB/10		6.35
ALCFQDB/100		6.35

Quick Disconnects	Width (mm)	Pack Qty
ALCFQDY/6		6.35
ALCFQDY/50		6.35

Fully Insulated Quick Disconnects	Width (mm)	Pack Qty
ALCFIFQDR/10		6.35
ALCFIFQDR/50		6.35

Fully Insulated Quick Disconnects	Width (mm)	Pack Qty
ALCFIFQDB/10		6.35
ALCFIFQDB/50		6.35

Fully Insulated Quick Disconnects	Width (mm)	Pack Qty
ALCFIFQDY/6		6.35
ALCFIFQDY/50		6.35

Tab Disconnects	Tab Width (mm)	Pack Qty
ALCMDTABR/10		6.35
ALCMD-TABR/100		6.35

Tab Disconnects	Tab Width (mm)	Pack Qty
ALCMDTABB/10		6.35
ALCMD-TABB/100		6.35

Tab Disconnects	Tab Width (mm)	Pack Qty
ALCMDTABY/8		6.35
ALCMDTABY/50		6.35

Piggy Back Terminals	Width (mm)	Pack Qty
ALCPBR/50		6.35

Piggy Back Terminals	Width (mm)	Pack Qty
ALCPBB/8		6.35
ALCPBB/50		6.35

Piggy Back Terminals	Width (mm)	Pack Qty
ALCPBY/50		6.35

Flat Blade Terminals	Blade Length (mm)	Pack Qty
ALCFBTR10/100		10
ALCFBTR18/100		18

Flat Blade Terminals	Blade Length (mm)	Pack Qty
ALCFBTB10/100		10
ALCFBTB18/100		18

Flat Blade Terminals	Blade Length (mm)	Pack Qty
ALCFBTY10/50		10
ALCFBTY18/50		18

## Bootlace Terminals

### Pre-Insulated Bootlace Terminals

- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded Polyamide insulation for easy identification
- 600V max

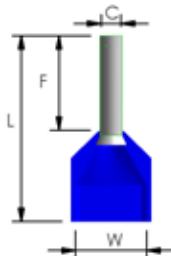


**Operating Range:** +105°C


Cat. No.	Conductor Size (mm <sup>2</sup> )	Dimensions (Mm)				Pack Qty	Colour
		L	F	C	W		
ALCBLV/100	0.25	10.0	6.0	0.75	1.9	100	Violet
ALCBLP/100	0.34	10.0	6.0	0.8	1.9	100	Pink
ALCBLW/50	0.5	12.0	8.0	1.3	3.3	50	White
ALCBLW/100	0.5	12.0	8.0	1.3	3.3	100	White
ALCBLB/100	0.75	14.8	8.0	1.5	3.5	100	Blue
ALCBLR/50	1.0	12.6	8.0	1.7	3.7	50	Red
ALCBLR/100	1.0	12.6	8.0	1.7	3.7	100	Red
ALCBLY/100	1.0	14.5	8.0	1.7	3.7	100	Yellow
ALCBLBK/50	1.5	14.5	8.0	2.0	4.0	50	Black
ALCBLBK/100	1.5	14.5	8.0	2.0	4.0	100	Black
ALCBLGY/100	2.5	15.8	8.0	2.6	4.9	100	Grey
ALCBLO/100	4.0	16.5	10.0	3.2	5.5	100	Orange
ALCBLG/50	6.0	20.5	12.0	3.9	7.0	50	Green
ALCBLG-18/50	6.0	26.0	18.0	3.5	6.3	50	Green
ALCBLBR/50	10.0	22.0	12.0	4.5	7.6	50	Brown
ALCBLBR-18/50	10.0	28.0	18.0	4.5	7.6	50	Brown
ALCBLI/50	16.0	24.0	12.0	5.8	8.8	50	Ivory
ALCBLI-18/40	16.0	28.0	18.0	5.8	8.8	40	Ivory
ALCBLBK25/25	25.0	30.0	16.0	8.3	12.7	25	Black
ALCBLR35/20	35.0	30.0	16.0	8.3	12.7	20	Red
ALCBLB50/10	50.0	36.0	20.0	10.3	15.0	10	Blue
ALCBLY70/7	70.0	37.0	21.0	13.5	16.0	7	Yellow
ALCBLR95/5	95.0	44.0	25.0	14.7	18.0	5	Red
ALCBLB120/4	120.0	48.0	27.0	16.7	20.0	4	Blue
ALCBLY150/3	150.0	58.0	32.0	19.5	23.0	3	Yellow

### Pre-Insulated Twin Bootlace Terminals

- Pre-insulated twin bootlace terminals
- Provide precise terminations to multi-stranded cable
- Used to terminate two wires in the one terminal
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded Polyamide insulation for easy identification
- 600V max



**Operating Temperature:** +105°C

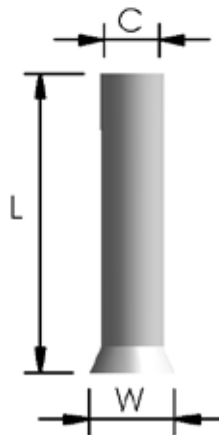


Cat. No.	Conductor Size (mm <sup>2</sup> )	Dimensions (mm)				Pack Qty	Colour
		L	F	C	W		
ALCBLTG/100	2 x 0.75	15.0	8.0	1.8	5.0	100	Blue
ALCBLTR/100	2 x 1.0	15.0	8.0	2.05	5.4	100	Red
ALCBLTBK/100	2 x 1.5	16.0	8.0	2.3	6.6	100	Black
ALCBLTB/100	2 x 2.5	18.5	10.0	2.8	7.8	100	Blue
ALCBLTG/4/50	2 x 4.0	23.0	12.0	3.7	8.8	50	Grey
ALCBLY/50	2 x 6.0	26.0	14.0	4.8	10.0	50	Yellow

## Non-Insulated Bootlace Terminals

- Non-insulated electro grade copper bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduce the possibility of short-circuiting and ensure no strands stray
- Electro tinned finish for high conductivity

**Operating Temperature:** +200°C



Cat. No.	CONDUCTOR SIZE (mm <sup>2</sup> )	DIMENSIONS (MM)			PACK QTY
		L	C	W	
ALCBLU0.5/100	0.5	8.0	1.0	2.1	100
ALCBLU0.75/100	0.75	8.0	1.2	2.3	100
ALCBLU1.0/100	1.0	10.0	1.4	2.5	100
ALCBLU1.5/100	1.5	10.0	1.7	2.8	100
ALCBLU2.5/100	2.5	10.0	2.2	3.4	100
ALCBLU4/100	4.0	12.0	2.8	4.0	100
ALCBLU6/100	6.0	12.0	3.5	4.7	100
ALCBLU10/100	10.0	12.0	4.5	5.8	100
ALCBLU16/100	16.0	12.0	5.8	7.5	100
ALCBLU25/50	25.0	18.0	7.3	9.5	50
ALCBLU35/50	35.0	18.0	8.3	11.0	50
ALCBLU50/10	50.0	20.0	10.3	13.0	10
ALCBLU70/10	70.0	25.0	13.5	15.3	10
ALCBLU95/5	95.0	32.0	14.7	16.6	5

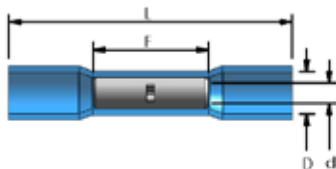
## Heatshrink Terminals

### Insulated Heatshrinkable Splice Terminals

- Heatshrinkable ring terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max

**Shrink temperature:** +150°C

**Operating Range:** -10°C to + 105°C



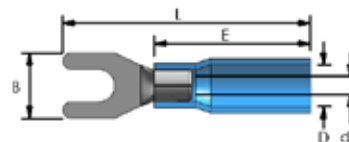
Cat. No.	Conductor Size (mm <sup>2</sup> )	Dimensions (mm)				Pack Qty	Colour
		F	L	D	d		
ALCHSSPLR/50	0.5-1.5	15.0	37.0	4.5	1.6	50	Red
ALCHSSPLB/50	1.5-2.5	15.0	37.0	5.5	2.3	50	Blue
ALCHSSPLY/25	4.0-6.0	15.0	41.0	6.5	3.6	25	Yellow

### Insulated Heatshrinkable Fork Terminals

- Heatshrinkable ring terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max

**Shrink temperature:** +150°C

**Operating Range:** -10°C to + 105°C



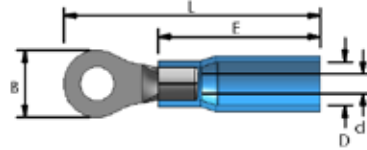
Cat. No.	Conductor Size (mm <sup>2</sup> )	Stud Size (mm)	Dimensions (mm)					Pack Qty	Colour
			B	L	E	D	D1		
ALCHSFR3.7/100	0.5-1.5	3.7	6.4	25.5	18.5	4.5	1.7	100	Red
ALCHSFR4/100	0.5-1.5	4.0	7.2	26.0	18.5	4.5	1.7	100	Red
ALCHSFR5/100	0.5-1.5	5.0	8.0	26.0	18.5	4.5	1.7	100	Red
ALCHSFB3.7/50	1.5-2.5	3.7	6.4	26.5	20.5	5.5	2.3	50	Blue
ALCHSFB4.0/50	1.5-2.5	4.0	7.2	26.5	20.5	5.5	2.3	50	Blue
ALCHSFB5.0/50	1.5-2.5	5.0	9.5	28.5	20.5	5.5	2.3	50	Blue
ALCHSFY4.0/30	4.0-6.0	4.0	9.5	32.5	23.5	6.5	3.4	30	Yellow
ALCHSFY5.0/30	4.0-6.0	5.0	9.5	32.5	23.5	6.5	3.4	30	Yellow
ALCHSFY6.0/30	4.0-6.0	6.0	12.0	39.0	23.5	6.5	3.4	30	Yellow

## Heatshrink Terminals

### Insulated Heatshrinkable Ring Terminals

- Heatshrinkable ring terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max

**Shrink temperature:** +150°C  
**Operating Range:** -10°C to + 105°C

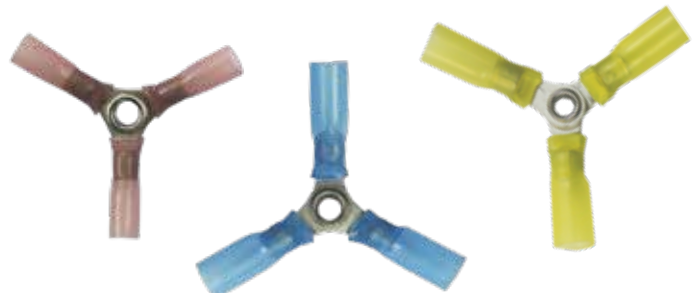


Cat. No.	Conductor Size (mm <sup>2</sup> )	Stud Size (mm)	Dimensions (mm)					Pack Qty	Colour
			B	L	E	D	D1		
ALCHSRR3.7/100	0.5-1.5	3.7	8.0	26.0	18.5	4.5	1.7	100	Red
ALCHSRR4/100	0.5-1.5	4.0	8.0	26.0	18.5	4.5	1.7	100	Red
ALCHSRR5/100	0.5-1.5	5.0	8.0	26.0	18.5	4.5	1.7	100	Red
ALCHSRB3.7/50	1.5-2.5	3.7	8.5	28.5	20.5	5.5	2.3	50	Blue
ALCHSRB4.0/50	1.5-2.5	4.0	8.5	28.5	20.5	5.5	2.3	50	Blue
ALCHSRB5.0/50	1.5-2.5	5.0	9.5	28.5	20.5	5.5	2.3	50	Blue
ALCHSRY4.0/50	4.0-6.0	4.0	9.5	33.0	23.5	6.5	3.4	50	Yellow
ALCHSRY5.0/50	4.0-6.0	5.0	9.5	33.0	23.5	6.5	3.4	50	Yellow
ALCHSRY6.0/50	4.0-6.0	6.0	12.0	36.5	23.5	6.5	3.4	50	Yellow
ALCHSRY13.0/25	4.0-6.0	13.0	19.2	45.5	23.5	6.5	3.4	25	Yellow

### Insulated Heatshrinkable 3-Way Ring Terminals

- Heatshrinkable 3-way ring terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max

**Shrink temperature:** +150°C  
**Operating Range:** -10°C to + 105°C

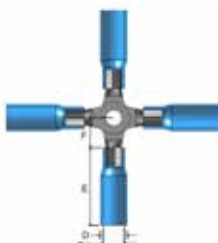


Cat. No.	Conductor Size (mm <sup>2</sup> )	Stud Size (mm)	Dimensions (mm)				Pack Qty	Colour
			F	E	D	D1		
ALCHS3WTR/15	0.5-1.5	4.0	8.0	18.5	4.5	1.7	15	Red
ALCHS3WTB/15	1.5-2.5	4.0	9.0	20.5	5.5	2.3	15	Blue
ALCHS3WTY/10	4.0-6.0	4.0	10.5	23.5	6.5	3.4	10	Yellow

### Insulated Heatshrinkable 4-Way Ring Terminals

- Heatshrinkable 4-way ring terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max

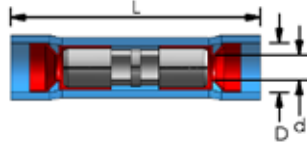
**Shrink temperature:** +150°C  
**Operating Range:** -10°C to + 105°C



Cat. No.	Conductor Size (mm <sup>2</sup> )	Stud Size (mm)	Dimensions (mm)				Pack Qty	Colour
			F	E	D	D1		
ALCHS4WTR/15	0.5-1.5	4.0	8.0	18.5	4.5	1.7	15	Red
ALCHS4WTB/10	1.5-2.5	4.0	9.0	20.5	5.5	2.3	10	Blue
ALCHS4WTY/5	4.0-6.0	4.0	10.5	23.5	6.5	3.4	5	Yellow

### Insulated Window Splice Terminals

- Translucent window splices allow you to see the crimp
- Double crimp
- Electro tin plated
- 600V max

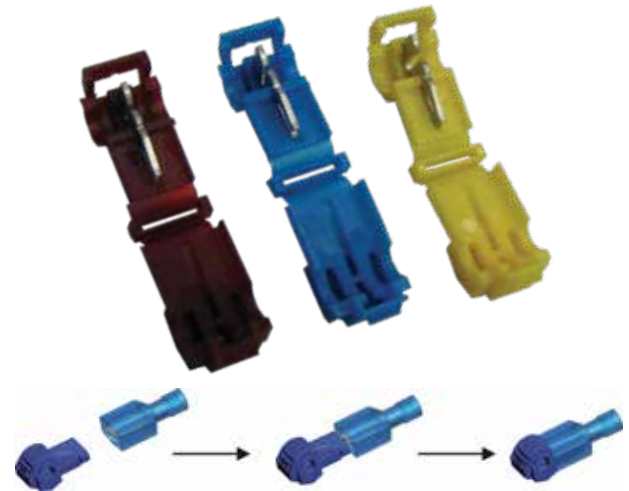
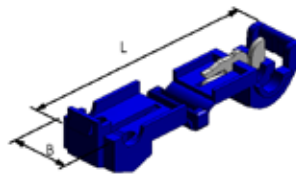


Operating Temperature: + 105°C

Cat. No.	Conductor Size (mm <sup>2</sup> )	Dimensions (mm)			Pack Qty	Colour
		L	D	d		
ALCWSPLR/50	0.5-1.5	26.0	4.5	1.7	50	Red
ALCWSPLB/50	1.5-2.5	26.0	5.0	2.3	50	Blue
ALCWSPLY/30	4.0-6.0	30.0	6.8	3.4	30	Yellow

### T-Tap Terminals

- Electro tin plated
- 600V max



Operating Temperature: + 105°C

Cat. No.	Conductor Size (mm <sup>2</sup> )	Type	Dimensions (mm)		Pack Qty	Colour
			B	L		
ALCTTAPR/25	0.5-1.0	Male	9.5	38	25	Red
ALCTTAPB/25	1.0-2.5	Male	9.5	38	25	Blue
ALCTTAPY/25	4.0-6.0	Male	9.5	38	25	Yellow
ALCTTAPMR/50	0.5-1.0	Female			50	Red
ALCTTAPMB/50	1.0-2.5	Female			50	Blue
ALCTTAPMY/25	4.0-6.0	Female			25	Yellow

### Telecom Splice Connectors

- Make a clean, solid and rapid connection of your wires to keep telecommunication lines free of noise
- Handles a wide range of conductor sizes and allows you to handle higher pair wires
- RoHS compliant



Cat. No.	Max Insulation OD (mm)	Cable Size	Colour	Material	Insulation	Pack Qty
ALCSC-R	1.67	A two or three-wire connection for Y-type divergence wire of solid copper 0.4-0.9mm (26-19 AWG) wire core or 0.4-0.65 (26-22 AWG)	Red	Solid copper	PC	50
ALCSC-B	1.27	A tap connector for T-type divergence wire of solid copper 0.4-0.65mm (26-22 AWG) wire core or 0.4-0.5mm (26-24 AWG) filled core cable	Blue	Solid copper	PC	100
ALCSC-Y	1.52	A two wire connector for solid copper 0.4-0.65mm (26-22 AWG) cable	Yellow	Solid copper	PC	100

## Non-insulated & Brass Terminals

### Non-Insulated Ring & Fork Terminals

- Non-insulated copper terminals suitable for stranded to fine-stranded cable
- Electro tinned finish for high conductivity
- Easy to connect



Cat. No.	Conductor size (0.5-1.5mm <sup>2</sup> )	Stud size (mm)	Pack Qty
<b>Ring Terminals</b>			
ALCRRU3.7/100		3.7	100
ALCRRU4/100		4.0	100
ALCRRU5/100		5.0	100
ALCRRU6/100		6.0	100
ALCRRU8/100		8.0	100
ALCRRU10/100		10.0	100

Cat. No.	Conductor size (1.5-2.5mm <sup>2</sup> )	Stud size (mm)	Pack Qty
<b>Ring Terminals</b>			
ALCRBU3.7/100		3.7	100
ALCRBU4/100		4.0	100
ALCRBU5/100		5.0	100
ALCRBU6/100		6.0	100
ALCRBU8/100		8.0	100
ALCRBU10/100		10.0	100

Cat. No.	Conductor size (4.0-6.0mm <sup>2</sup> )	Stud size (mm)	Pack Qty
<b>Ring Terminals</b>			
ALCRYU4/100		4.0	100
ALCRYU5/100		5.0	100
ALCRYU6/100		6.0	100
ALCRYU8/100		8.0	100
ALCRYU10/50		10.0	50
ALCRYU12/50		12.0	50

<b>Fork Terminals</b>			
ALCFRU3.7/100		3.7	100
ALCFRU4/100		4.0	100
ALCFRU5/100		5.0	100
ALCFRU6/100		6.0	100

<b>Fork Terminals</b>			
ALCFBU3.7/100		3.7	100
ALCFBU4/100		4.0	100
ALCFBU5/100		5.0	100
ALCFBU6/100		6.0	100

<b>Fork Terminals</b>			
ALCFYU4/100		4.0	100
ALCFYU5/100		5.0	100
ALCFYU6/100		6.0	100

### Non-Insulated Open Barrel Brass Terminals

- Non-insulated copper terminals suitable for stranded to fine-stranded cable
- Electro tinned finish for high conductivity
- Easy to connect



Cat. No.	Type	Plug Dimensions	Nominal cross section	Terminal Image	Pack Qty
ALCFQDU2/100	Quick Disconnect	2.8 x 0.5mm	0.5 - 1.5mm <sup>2</sup>		100
ALCFQDU4/100	Quick Disconnect	4.8 x 0.8mm	1.5 - 2.5mm <sup>2</sup>		100
ALCFQDU6/100	Quick Disconnect	6.4 x 0.8 mm	0.5 - 1.5mm <sup>2</sup>		100
ALCMDTABU1/100	Tab Terminal	6.4 x 0.8 mm	1.5 - 2.5mm <sup>2</sup>		100
ALCMDTABU2/100	Tab Terminal	6.4 x 0.8 mm	1.5 - 2.5mm <sup>2</sup>		100
ALCPBU/100	Piggy Back	6.4 x 0.8 mm	1.5 - 2.5mm <sup>2</sup>		100

### Electricians Small Bootlace Terminals Kit

- 170 piece electrician's bootlace terminals kit
- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded polyamide insulation for easy identification
- 600V max

**Note:** for more information on terminals, see individual pages

**Operating Temperature:** + 105°C



Cat. No.	Kit Contains	
ALCBLKIT-170	ALCBLW	0.5 mm <sup>2</sup> White Bootlace Terminal
	ALCBLB	0.75 mm <sup>2</sup> Blue Bootlace Terminal
	ALCBLR	1.0 mm <sup>2</sup> Red Bootlace Terminal
	ALCBLBK	1.5 mm <sup>2</sup> Black Bootlace Terminal
	ALCBLGY	2.5 mm <sup>2</sup> Grey Bootlace Terminal
	ALCBLO	4.0 mm <sup>2</sup> Orange Bootlace Terminal
	ALCBLG	6.0 mm <sup>2</sup> Green Bootlace Terminal

### Electricians Medium Bootlace Terminals Kit

- 535 piece electrician's bootlace terminals kit
- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded polyamide insulation for easy identification
- 600V max

**Operating Temperature:** + 105°C



Cat. No.	Kit Contains	
ALCBLKIT-535	ALCBLW	0.5 mm <sup>2</sup> White Bootlace Terminal
	ALCBLB	0.75 mm <sup>2</sup> Blue Bootlace Terminal
	ALCBLR	1.0 mm <sup>2</sup> Red Bootlace Terminal
	ALCBLBK	1.5 mm <sup>2</sup> Black Bootlace Terminal
	ALCBLGY	2.5 mm <sup>2</sup> Grey Bootlace Terminal
	ALCBLO	4.0 mm <sup>2</sup> Orange Bootlace Terminal
	ALCBLG	6.0 mm <sup>2</sup> Green Bootlace Terminal
	ALCBLBR	10.0 mm <sup>2</sup> Brown Bootlace Terminal

**Note:** for more information on terminals, see individual pages

### Electricians Large Bootlace Terminals Kit

- 685 piece electrician's bootlace terminals kit
- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Twin bootlace terminals used to terminate two wires in the one terminal
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded polyamide insulation for easy identification
- 600V max

**Operating Temperature:** + 105°C

**Note:** for more information on terminals, see individual pages



Cat. No.	Kit Contains	
ALCBLKIT-685	ALCBLW	0.5 mm <sup>2</sup> White Bootlace Terminal
	ALCBLB	0.75 mm <sup>2</sup> Blue Bootlace Terminal
	ALCBLR	1.0 mm <sup>2</sup> Red Bootlace Terminal
	ALCBLBK	1.5 mm <sup>2</sup> Black Bootlace Terminal
	ALCBLGY	2.5 mm <sup>2</sup> Grey Bootlace Terminal
	ALCBLO	4.0 mm <sup>2</sup> Orange Bootlace Terminal
	ALCBLG	6.0 mm <sup>2</sup> Green Bootlace Terminal
	ALCBLBR	10.0 mm <sup>2</sup> Brown Bootlace Terminal
	ALCBLI	16.0 mm <sup>2</sup> Ivory Bootlace Terminal
	ALCBLTBK	2 x 1.5 mm <sup>2</sup> Black Twin Bootlace Terminal
	ALCBLTB	2 x 2.5 mm <sup>2</sup> Blue Twin Bootlace Terminal
	ALCBLTR	2 x 1.0 mm <sup>2</sup> Red Twin Bootlace Terminal

## Electricians Insulated Bootlace Terminals Service Kit

- 486 piece pre-insulated electrician's terminals kit
- Easy cable entry
- Colour-coded insulation for easy distinction
- Suitable for any professional application



**Note:** for more information on terminals, see individual pages

Cat. No.	Kit Contains	
ALCPREIKIT-486	ALCRR3.7	3.7mm <sup>2</sup> Red Ring Terminal
	ALCRR4	4.0mm <sup>2</sup> Red Ring Terminal
	ALCRR5	5.0mm <sup>2</sup> Red Ring Terminal
	ALCRB3.7	3.7mm <sup>2</sup> Blue Ring Terminal
	ALCRB4	4.0mm <sup>2</sup> Blue Ring Terminal
	ALCRB5	5.0mm <sup>2</sup> Blue Ring Terminal
	ALCRY5	5.0mm <sup>2</sup> Yellow Ring Terminal
	ALCRY6	6.0mm <sup>2</sup> Yellow Ring Terminal
	ALCFR3.7	3.7mm <sup>2</sup> Red Fork Terminal
	ALCFR4	4.0mm <sup>2</sup> Red Fork Terminal
	ALCFB4	4.0mm <sup>2</sup> Blue Fork Terminal
	ALCFQDR	Red Quick Disconnect
	ALCFQDB	Blue Quick Disconnect
	ALCMDTABR	Red Tab Disconnect
	ALCMDTABB	Blue Tab Disconnect
	ALCSPLR	Red Splice Terminal
	ALCSPLB	Blue Splice Terminal
	ALCSPLY	Yellow Splice Terminal
	ALCHSSPLR	Red Heatshrink Splice
	ALCHSSPLB	Blue Heatshrink Splice
	ALCHSSPLY	Yellow Heatshrink Splice

## Supergrip Pre-Insulated Terminals Kit

- 800 piece pre-insulated electrician's terminals kit
- Easy cable entry
- Colour-coded PVC insulation for easy distinction
- Suitable for any professional application



**Note:** for more information on terminals, see individual pages

Cat. No.	Kit Contains	
ALCPREIKIT-800	ALCRR4	4.0mm <sup>2</sup> Red Ring Terminal
	ALCRR5	5.0mm <sup>2</sup> Red Ring Terminal
	ALCRR6	6.0mm <sup>2</sup> Red Ring Terminal
	ALCRY5	5.0mm <sup>2</sup> Yellow Ring Terminal
	ALCRY6	6.0mm <sup>2</sup> Yellow Ring Terminal
	ALCRY8	8.0mm <sup>2</sup> Yellow Ring Terminal
	ALCRY10	10.0mm <sup>2</sup> Yellow Ring Terminal
	ALCRB4	4.0mm <sup>2</sup> Blue Ring Terminal
	ALCRB5	5.0mm <sup>2</sup> Blue Ring Terminal
	ALCRB6	6.0mm <sup>2</sup> Blue Ring Terminal
	ALCRB8	8.0mm <sup>2</sup> Blue Ring Terminal
	ALCFR4	4.0mm <sup>2</sup> Red Fork Terminal
	ALCFB4	4.0mm <sup>2</sup> Blue Fork Terminal
	ALCFY6	6.0mm <sup>2</sup> Yellow Fork Terminal
	ALCMDTABR	Red Tab Disconnect
	ALCMDTABB	Blue Tab Disconnect
	ALCPBB	Blue Piggy Back Terminal
	ALCFIFQDR	Red Fully Insulated Quick Disconnect
	ALCFIFQDB	Blue Fully Insulated Quick Disconnect
	ALCFIFQDY	Yellow Fully Insulated Quick Disconnect
	ALCFQDR	Red Quick Disconnect
	ALCFQDB	Blue Quick Disconnect
	ALCFQDY	Yellow Quick Disconnect
	ALCSPLR	Red Splice Terminal
	ALCSPLB	Blue Splice Terminal
	ALCSPLY	Yellow Splice Terminal



## Electricians Bootlace Terminals Kit

- 892 piece electrician's bootlace terminals kit
- With 2 combination crimping pliers
- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded PVC insulation for easy identification
- 600V max

**Operating Temperature:** + 105°C



Cat. No.	Kit Contains	
ALCBLCKIT	WATBLC-TC6	0.25 - 2.5mm <sup>2</sup> Combination Crimping Pliers
	WATBLC-TC8	0.5 - 16.0mm <sup>2</sup> Combination Crimping Pliers
	ALCBLW	0.5 mm <sup>2</sup> White Bootlace Terminal
	ALCBLB	0.75 mm <sup>2</sup> Blue Bootlace Terminal
	ALCBLR	1.0 mm <sup>2</sup> Red Bootlace Terminal
	ALCBLY	1.0 mm <sup>2</sup> Yellow Bootlace Terminal
	ALCBLBK	1.5 mm <sup>2</sup> Black Bootlace Terminal
	ALCBLGY	2.5 mm <sup>2</sup> Grey Bootlace Terminal
	ALCBLO	4.0 mm <sup>2</sup> Orange Bootlace Terminal
	ALCBLG	6.0 mm <sup>2</sup> Green Bootlace Terminal
	ALCBLTGY	2 x 0.75 mm <sup>2</sup> Blue Twin Bootlace Terminal
	ALCBLTR	2 x 1.0 mm <sup>2</sup> Red Twin Bootlace Terminal
	ALCBLTBK	2 x 1.5 mm <sup>2</sup> Black Twin Bootlace Terminal
	ALCBLTB	2 x 2.5 mm <sup>2</sup> Blue Twin Bootlace Terminal

**Note:** for more information on terminals, see individual pages

## Universal Terminals, Lugs & Links Kit

- Universal 1,801 piece electrician's terminals, lugs and links mixed kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Non-insulated copper crimp terminals and bootlace terminals also included
- Suitable for any professional application



**Note:** for more information on terminals, see individual pages

Cat. No.	Kit Contains	
ALCK007KIT	WATK007	Universal Crimping Tool
	ALCRR5	5.0mm <sup>2</sup> Red Ring Terminal
	ALCRB5	5.0mm <sup>2</sup> Blue Ring Terminal
	ALCRY5	5.0mm <sup>2</sup> Yellow Ring Terminal
	ALCFB6	6.0mm <sup>2</sup> Blue Fork Terminal
	ALCFY6	6.0mm <sup>2</sup> Yellow Fork Terminal
	ALCSPLR	Red Splice Terminal
	ALCSPLB	Blue Splice Terminal
	ALCL1.5M5	1.5 mm <sup>2</sup> Copper Crimp Lug with 5mm hole
	ALCL1.5M6	1.5 mm <sup>2</sup> Copper Crimp Lug with 6mm hole
	ALCL2.5M4	2.5 mm <sup>2</sup> Copper Crimp Lug with 4mm hole
	ALCL2.5M5	2.5 mm <sup>2</sup> Copper Crimp Lug with 5mm hole
	ALCL4M5	4 mm <sup>2</sup> Copper Crimp Lug with 5mm hole
	ALCL4M6	4 mm <sup>2</sup> Copper Crimp Lug with 6mm hole
	ALCL6M6	6 mm <sup>2</sup> Copper Crimp Lug with 6mm hole
	ALCBLW	0.5 mm <sup>2</sup> White Bootlace Terminal
	ALCBLB	0.75 mm <sup>2</sup> Blue Bootlace Terminal
	ALCBLR	1.0 mm <sup>2</sup> Red Bootlace Terminal
	ALCBLY	1.0 mm <sup>2</sup> Yellow Bootlace Terminal
	ALCBLBK	1.5 mm <sup>2</sup> Black Bootlace Terminal
	ALCBLGY	2.5 mm <sup>2</sup> Grey Bootlace Terminal
	ALCBLO	4.0 mm <sup>2</sup> Orange Bootlace Terminal

## Electricians Terminals Kit

- 1,061 piece electrician's terminals promo kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Suitable for any professional application



**Note:** for more information on terminals, see individual pages

Cat. No.	Kit Contains	
ALCPREKITP	WATMH3DW	Ratchet Crimping Tool
	ALCRR3.7	3.7mm <sup>2</sup> Red Ring Terminal
	ALCRR10	10.0mm <sup>2</sup> Red Ring Terminal
	ALCRB10	10.0mm <sup>2</sup> Blue Ring Terminal
	ALCRY3.7	3.7mm <sup>2</sup> Yellow Ring Terminal
	ALCRY4	4.0mm <sup>2</sup> Yellow Ring Terminal
	ALCRY12	12.0mm <sup>2</sup> Yellow Ring Terminal
	ALCFR5	5.0mm <sup>2</sup> Red Fork Terminal
	ALCFR6	6.0mm <sup>2</sup> Red Fork Terminal
	ALCFB6	6.0mm <sup>2</sup> Blue Fork Terminal
	ALCFY6	6.0mm <sup>2</sup> Yellow Fork Terminal
	ALCFY8	8.0mm <sup>2</sup> Yellow Fork Terminal
	ALCPBR	Red Piggy Back Terminal
	ALCPBY	Yellow Piggy Back Terminal
	ALCBTR	Red Bullet Terminal
	ALCBTB5	Blue Bullet Terminal
	ALCBTY	Yellow Bullet Terminal
	ALCBRR	Red Bullet Receptacle
	ALCBRB5	Blue Bullet Receptacle
	ALCBRY	Yellow Bullet Receptacle
	ALCMDTABY	Yellow Tabs Disconnect

## Electricians Terminals Service Kit

- 792 piece electrician's terminals service kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Non-insulated copper crimp terminals also included



**Note:** for more information on terminals, see individual pages

Cat. No.	Kit Contains	
ALCSERVICEKIT	WATMEB100CW	Combination Crimping Pliers
	WATMH3DW	Bootlace Terminals Ratchet Crimper
	ALCRR3.7	3.7mm <sup>2</sup> Red Ring Terminal
	ALCRB3.7	3.7mm <sup>2</sup> Blue Ring Terminal
	ALCRY3.7	3.7mm <sup>2</sup> Yellow Ring Terminal
	ALCFR3.7	3.7mm <sup>2</sup> Red Fork Terminal
	ALCFB3.7	3.7mm <sup>2</sup> Blue Fork Terminal
	ALCFY3.7	3.7mm <sup>2</sup> Yellow Fork Terminal
	ALCBLW	0.5 mm <sup>2</sup> White Bootlace Terminal
	ALCBLB	0.75 mm <sup>2</sup> Blue Bootlace Terminal
	ALCBLY	1.0 mm <sup>2</sup> Yellow Bootlace Terminal
	ALCBLBK	1.5 mm <sup>2</sup> Black Bootlace Terminal
	ALCBLO	4.0 mm <sup>2</sup> Orange Bootlace Terminal
	ALCBLG	6.0 mm <sup>2</sup> Green Bootlace Terminal
	ALCLK1.5	1.5 mm <sup>2</sup> Copper Crimp Link
	ALCLK2.5	2.5 mm <sup>2</sup> Copper Crimp Link
	ALCL1.5M6	1.5 mm <sup>2</sup> Copper Crimp Lug with 6mm hole
	ALCL2.5M6	2.5 mm <sup>2</sup> Copper Crimp Lug with 6mm hole
	ALCL4M5	4 mm <sup>2</sup> Copper Crimp Lug with 5mm hole

## Economical Electricians Terminals Kit

- Economical 521 piece electrician's terminals kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Suitable for any professional application

**Note:** for more information on terminals, see individual pages



Cat. No.	Kit Contains
ALCPTKIT10	WATMEB100CW Combination Crimping Pliers
	ALCRR5 5.0mm <sup>2</sup> Red Ring Terminal
	ALCRB5 5.0mm <sup>2</sup> Blue Ring Terminal
	ALCFR5 5.0mm <sup>2</sup> Red Fork Terminal
	ALCFB5 5.0mm <sup>2</sup> Blue Fork Terminal
	ALCPINR Red Pin Terminal
	ALCPINB Blue Pin Terminal
	ALCSPLR Red Splice Terminal
	ALCSPLB Blue Splice Terminal
	ALCFIFQDR Red Fully Insulated Quick Disconnect
	ALCFIFQDB Blue Fully Insulated Quick Disconnect
	ALCMDTABR Red Tabs Disconnect
	ALCMDTABB Blue Tabs Disconnect

## Professional Electricians Terminals Kit

- Professional 1,231 piece electrician's terminals kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Suitable for any professional application

**Note:** for more information on terminals, see individual pages



Cat. No.	Kit Contains
ALCPTKIT20	WATMH3DW Ratchet Crimping Tool
	ALCRR4 4.0mm <sup>2</sup> Red Ring Terminal
	ALCRR5 5.0mm <sup>2</sup> Red Ring Terminal
	ALCRR6 6.0mm <sup>2</sup> Red Ring Terminal
	ALCRB4 4.0mm <sup>2</sup> Blue Ring Terminal
	ALCRB5 5.0mm <sup>2</sup> Blue Ring Terminal
	ALCRB6 6.0mm <sup>2</sup> Blue Ring Terminal
	ALCRY5 5.0mm <sup>2</sup> Yellow Ring Terminal
	ALCFR4 4.0mm <sup>2</sup> Red Fork Terminal
	ALCFB4 4.0mm <sup>2</sup> Blue Fork Terminal
	ALCFY6 6.0mm <sup>2</sup> Yellow Fork Terminal
	ALCFIFQDR Red Fully Insulated Quick Disconnect
	ALCFIFQDB Blue Fully Insulated Quick Disconnect
	ALCFIFQDY Yellow Fully Insulated Quick Disconnect
	ALCFQDR Red Quick Disconnect
	ALCFQDB Blue Quick Disconnect
	ALCFQDY Yellow Quick Disconnect
	ALCMDTABR Red Tabs Disconnect
	ALCMDTABB Blue Tabs Disconnect
	ALCPBB Blue Piggy Back Terminal
	ALCSPLR Red Splice Terminal
	ALCSPLB Blue Splice Terminal
	ALCSPLY Yellow Splice Terminal

# Lugs & Links

With over 20 years' experience, Alco has developed an extensive range of lugs that conform to the unique Australian standards. Our in-house engineering capability's means we have extensive knowledge, not just of the products themselves but also of the application of the range. To complement our lugs and links range, we have a wide variety of tools to meet your crimping requirements.

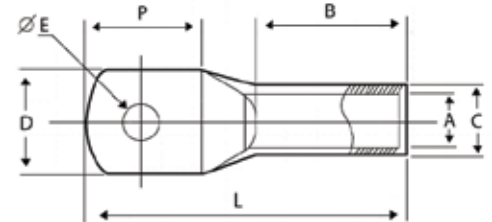


For Professionals...  
Since 1857™

## Non-Insulated Lugs

### Non-Insulated Copper Lugs

- Non-insulated electro grade copper crimp lugs suitable for stranded to fine-stranded copper cable
- Electro tinned finish for corrosion resistance
- 99.9% copper for high conductivity
- Includes inspection port
- Conform to Australian & New Zealand Standards
- Independently tested and complies to Australian/New Zealand Standard AS/NZS 4325.1 cl7 (10-400mm<sup>2</sup>)



**Operating Temperature:** -55°C to +155°C

Cat. No.	Conductor Size (mm <sup>2</sup> )	Stud Size (mm)	Dimensions (MM)						Box Qty
			A	C	D	P	B	L	
ALCL1.5M4/100	1.5	4.0	1.8	3.7	8.0	9.0	7.0	18	100
ALCL1.5M5/100	1.5	5.0	1.8	3.7	9.0	10	7.0	19	100
ALCL1.5M6/100	1.5	6.0	1.8	3.7	9.0	11	7.0	20	100
ALCL2.5M4/100	2.5	4.0	2.4	4.0	8.0	9.0	7.0	18	100
ALCL2.5M5/100	2.5	5.0	2.4	4.0	8.0	10	7.0	18	100
ALCL2.5M6/100	2.5	6.0	2.4	4.0	10	12	7.0	20	100
ALCL2.5M8/100	2.5	8.0	2.4	4.0	11	16	9.0	26	100
ALCL4M5/100	4.0	5.0	3.1	4.8	11	12	9.0	22	100
ALCL4M6/100	4.0	6.0	3.1	4.8	11	12	9.0	22	100
ALCL4M8/100	4.0	8.0	3.1	4.8	11	16	11	29	100
ALCL6M5/50	6.0	5.0	3.8	5.5	10	11	12	26	50
ALCL6M6/50	6.0	6.0	3.8	5.5	10	11	12	26	50
ALCL6M8/50	6.0	8.0	3.8	5.5	12	16	12	31	50
ALCL6M10/50	6.0	10.0	3.8	5.5	17	23	12	39	50
ALCL10M5/25	10	5.0	4.5	6.9	12	14	11	28	25
ALCL10M6/25	10	6.0	4.5	6.9	12	14	11	28	25
ALCL10M8/25	10	8.0	4.5	6.9	12	16	11	30	25
ALCL10M10/25	10	10.0	4.5	6.9	17	20	11	35	25
ALCL10M12/25	10	12.0	4.5	6.9	17	20	11	35	25
ALCL16M6/25	16	6.0	5.9	8.0	12	15	20	39	25
ALCL16M8/25	16	8.0	5.9	8.0	12	15	20	39	25
ALCL16M10/25	16	10.0	5.9	8.0	17	26	20	50	25
ALCL16M12/25	16	12.0	5.9	8.0	17	26	20	50	25
ALCL25M6/25	25	6.0	7.0	9.7	14	16	23	42	25
ALCL25M8/25	25	8.0	7.0	9.7	14	16	23	42	25
ALCL25M10/25	25	10.0	7.0	9.7	19	23	23	50	25
ALCL25M12/25	25	12.0	7.0	9.7	19	16	23	42	25
ALCL35M6/25	35	6.0	8.4	11.5	16	19	23	46	25
ALCL35M8/25	35	8.0	8.4	11.5	16	19	23	46	25
ALCL35M10/25	35	10.0	8.4	11.5	16	19	23	46	25
ALCL35M12/25	35	12.0	8.4	11.5	19	27	23	53	25
ALCL50M6/10	50	6.0	9.5	12.7	18	20	23	49	10
ALCL50M8/10	50	8.0	9.5	12.7	18	20	23	49	10
ALCL50M10/10	50	10.0	9.5	12.7	18	20	23	49	10
ALCL50M12/10	50	12.0	9.5	12.7	18	20	23	49	10
ALCL70M6/10	70	6.0	11.1	14.3	20	23	24	54	10
ALCL70M8/10	70	8.0	11.1	14.3	20	23	24	54	10



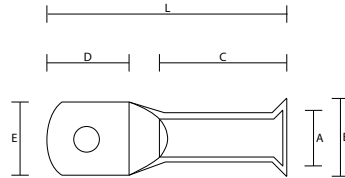
CAT. NO: ALCL95M16/10

Cat. No.	Conductor Size (mm <sup>2</sup> )	Stud Size (mm)	Dimensions (MM)						Box Qty
			A	C	D	P	B	L	
ALCL70M10/10	70	10.0	11.1	14.3	20	23	24	54	10
ALCL70M12/10	70	12.0	11.1	14.3	20	23	24	54	10
ALCL70M16/10	70	16.0	11.1	14.3	20	23	24	54	10
ALCL95M8/10	95	8.0	13.5	17.5	25	27	25	60	10
ALCL95M10/10	95	10.0	13.5	17.5	25	27	25	60	10
ALCL95M12/10	95	12.0	13.5	17.5	25	27	25	60	10
ALCL95M16/10	95	16.0	13.5	17.5	25	33	25	65	10
ALCL120M8/10	120	8.0	15.5	20.6	29	29	32	70	10
ALCL120M10/10	120	10.0	15.5	20.6	29	29	32	70	10
ALCL120M12/10	120	12.0	15.5	20.6	29	29	32	70	10
ALCL120M16/10	120	16.0	15.5	20.6	29	32	32	75	10
ALCL120M20/10	120	20.0	15.5	20.6	34	40	32	79	10
ALCL120MB/10	120	-	15.5	20.6	29	32	32	70	10
ALCL150M8/10	150	8.0	16.3	22.2	31	34	32	78	10
ALCL150M10/10	150	10.0	16.3	22.2	31	34	32	78	10
ALCL150M12/10	150	12.0	16.3	22.2	31	34	32	78	10
ALCL150M16/10	150	16.0	16.3	22.2	31	34	32	78	10
ALCL150MB/10	150	-	16.3	22.2	31	34	32	78	10
ALCL185M10/6	185	10.0	18.3	24.3	34	35	32	82	6
ALCL185M12/6	185	12.0	18.3	24.3	34	35	32	82	6
ALCL185M16/6	185	16.0	18.3	24.3	34	35	32	82	6
ALCL240M10/6	240	10.0	21.2	28.6	40	41	42	99	6
ALCL240M12/6	240	12.0	21.2	28.6	40	41	42	99	6
ALCL240M16/6	240	16.0	21.2	28.6	40	41	42	99	6
ALCL240M20/6	240	20.0	21.2	28.6	40	41	42	99	6
ALCL240MB/6	240	-	21.2	28.6	40	41	42	99	6
ALCL300M10/3	300	10.0	23.8	31.9	45	45	47	107	3
ALCL300M12/3	300	12.0	23.8	31.9	45	45	47	107	3
ALCL300M16/3	300	16.0	23.8	31.9	45	45	47	107	3
ALCL300MB/3	300	-	23.8	31.9	45	45	47	107	3
ALCL400M12/3	400	12.0	26.8	34.8	49	51	48	116	3
ALCL400MB/3	400	-	26.8	34.8	49	51	48	116	3
ALCL500M12/3	500	12.0	30	38	55	60	50	130	3
ALCL500MB/3	500	-	30	38	55	60	50	130	3
ALCL630M12/3	630	12.0	33.5	45	64	65	57	146	3
ALCL630M16/3	630	16.0	33.5	45	64	65	57	146	3
ALCL630MB/3	630	-	33.5	45	64	65	57	146	3

## Non-Insulated Bell Mouth Copper Lugs

- Non-insulated electro grade copper crimp lugs suitable for stranded to fine-stranded copper cable
- Electro tinned finish for high conductivity
- Includes inspection hole
- Conform to IS 191 (part V GR.ETP) specifications

**Operating Temperature:** -55°C to +155°C



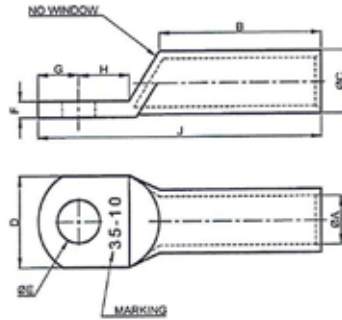
**CAT. NO:** ALCLBM35M12/25

Cat. No.	Conductor Size (mm <sup>2</sup> )	Stud size (mm)	Dimensions (MM)						Pack Qty
			A	B	E	D	C	L	
ALCLBM10M6/25	10	6	4.5	6.9	12	14	11	28	25
ALCLBM10M8/25	10	8	4.5	6.9	12	16	11	30	25
ALCLBM10M10/25	10	10	4.5	6.9	17	20	11	35	25
ALCLBM16M6/25	16	6	5.9	8	12	15	20	39	25
ALCLBM16M8/25	16	8	5.9	8	12	15	20	39	25
ALCLBM16M10/25	16	10	5.9	8	17	26	20	50	25
ALCLBM16M12/25	16	12	5.9	8	17	26	20	50	25
ALCLBM25M6/25	25	6	7	9.7	14	16	23	42	25
ALCLBM25M8/25	25	8	7	9.7	14	16	23	42	25
ALCLBM25M10/25	25	10	7	9.7	19	23	23	50	25
ALCLBM25M12/25	25	12	7	9.7	19	16	23	42	25
ALCLBM35M6/25	35	8	8.4	11.5	16	19	23	46	25
ALCLBM35M10/25	35	10	8.4	11.5	16	19	23	46	25
ALCLBM35M12/25	35	12	8.4	11.5	19	27	23	53	25
ALCLBM50M8/10	50	8	9.5	12.7	18	20	23	49	10
ALCLBM50M10/10	50	10	9.5	12.7	18	20	23	49	10
ALCLBM50M12/10	50	12	9.5	12.7	18	20	23	49	10
ALCLBM70M8/10	70	8	11.1	14.3	20	23	24	54	10
ALCLBM70M10/10	70	10	11.1	14.3	20	23	24	54	10
ALCLBM70M12/10	70	12	11.1	14.3	20	23	24	54	10
ALCLBM95M8/10	95	8	13.5	17.5	25	27	25	60	10
ALCLBM95M10/10	95	10	13.5	17.5	25	27	25	60	10
ALCLBM95M12/10	95	12	13.5	17.5	25	27	25	60	10
ALCLBM120M10/10	120	10	15.5	20.6	29	29	32	70	10
ALCLBM120M12/10	120	12	15.5	20.6	29	29	32	70	10
ALCLBM120M16/10	120	16	15.5	20.6	29	29	32	70	10
ALCLBM150M10/10	150	10	16.3	22.2	31	34	32	78	10
ALCLBM150M12/10	150	12	16.3	22.2	31	34	32	78	10
ALCLBM150M16/10	150	16	16.3	22.2	31	34	32	78	10
ALCLBM185M12/6	185	12	18.3	24.3	34	35	32	82	6
ALCLBM240MB/6	240	-	21.2	28.6	40	41	42	99	6
ALCLBM240M12/6	240	12	21.2	28.6	40	41	42	99	6
ALCLBM300MB/3	300	-	23.8	31.9	45	45	47	107	3
ALCLBM300M10/3	300	10	23.8	31.9	45	45	47	107	3
ALCLBM300M12/3	300	12	23.8	31.9	45	45	47	107	3
ALCLBM400M10/3	400	10	26.8	34.8	49	51	48	116	3
ALCLBM500M12/3	500	12	30	38	55	60	50	130	3

## Non-Insulated Long Barrel Copper Lugs

- Non-insulated electro grade copper crimp lugs suitable for stranded to fine-stranded copper cable
- Electro tinned finish for corrosion resistance
- 99.9% copper for high conductivity
- All sizes can be sold individually

**Operating Temperature:** -55°C to +155°C



**CAT. NO:** ALCLLB150M12

Cat. No.	Conductor Size (mm <sup>2</sup> )	Stud size (mm)	DIMENSIONS (mm)							
			Barrel ID	Barrel OD	Palm Width	Palm Thickness	Barrel Length	Stud Dist From Barrel	Stud Dist From Top	Total Length
			E	A	C	D	F	B	H	G
ALCLLB10M6	10	6.5	4.7	7.1	12	1.8	18	7	6	35
ALCLLB16M6	16	6.5	5.5	7.9	11	2.4	21	9	7	41
ALCLLB16M8	16	8.4	5.5	7.9	14	1.7	21	9	7	41
ALCLLB25M8	25	8.4	7.1	9.5	14	2.4	29	9	7	49
ALCLLB25M10	25	10.5	7.1	9.5	16	2.0	29	10	9	52
ALCLLB25M12	25	13	7.1	9.5	18	1.7	29	13	10	56
ALCLLB35M8	35	8.4	8.2	11.2	16	3.0	35	10	9	59
ALCLLB35M10	35	10.5	8.2	11.2	18	2.6	35	10	9	59
ALCLLB35M12	35	13	8.2	11.2	20	2.4	35	13	11	64
ALCLLB50M10	50	10.5	9.5	12.8	18	3.2	44	10	8	68
ALCLLB50M12	50	13	9.5	12.8	21	2.7	46	13	11	76
ALCLLB70M10	70	10.5	11.2	14.3	21	3.2	48	13	11	78
ALCLLB70M12	70	13	11.2	14.3	21	3.2	48	13	11	78
ALCLLB95M10	95	10.5	13.5	17.4	25	3.8	54	14	12	87
ALCLLB95M12	95	13	13.5	17.4	25	3.8	54	14	12	87
ALCLLB120M10	120	10.5	15.6	20.6	30	4.7	60	14	12	94
ALCLLB120M12	120	13	15.6	20.6	30	4.7	60	14	12	94
ALCLLB150M12	150	13	16.7	22.5	32	5.3	60	18	18	105
ALCLLB150M16	150	17	16.7	22.5	32	5.3	60	18	18	105
ALCLLB185M12	185	13	18.4	24.2	36	5.4	64	18	18	111
ALCLLB240M12	240	13	21.2	28.2	41	7.0	80	21	21	134
ALCLLB300M16	300	17	23.5	31.3	46	7.7	90	23	23	149
ALCLLB400MB	400	-	26.8	34.8	50	7.9	93	28	24	163
ALCLLB500MB	500	-	30.0	39.0	56	7.6	105	27	27	174
ALCLLB630MB	630	-	34.0	45.0	64.4	9.5	110	32	32	191

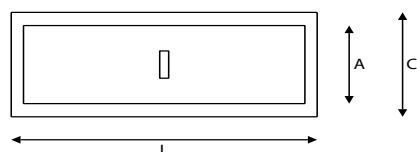


## Non-Insulated Links

## Non-Insulated Copper Links

- Non-insulated electro grade copper crimp links suitable for stranded to fine-stranded copper cable
- Long barrel
- Electro tinned finish for high conductivity
- Includes entrance chamfer and centre dimpling
- Conform to IS 191 (part V GR.ETP) specifications

Operating Temperature: -55°C to +155°C



CAT. NO: ALCLK50/25

Cat. No.	Conductor Size (mm <sup>2</sup> )	Dimensions (mm)			Pack Qty
		A	C	L	
ALCLK1.5/100	1.5	2.1	3.8	15.0	100
ALCLK2.5/100	2.5	2.5	4.0	22.0	100
ALCLK4/50	4.0	3.1	4.8	22.0	50
ALCLK6/50	6.0	3.8	5.5	22.0	50
ALCLK10/50	10.0	4.5	6.9	26.0	50
ALCLK16/25	16.0	5.9	8.0	36.0	25
ALCLK25/25	25.0	7.0	9.7	47.0	25
ALCLK35/25	35.0	8.4	11.5	47.0	25
ALCLK50/25	50.0	9.5	12.7	47.0	25
ALCLK70/10	70.0	11.1	14.3	54.0	10
ALCLK95/10	95.0	13.5	17.5	54.0	10
ALCLK120/10	120.0	15.5	20.6	68.0	10
ALCLK150/6	150.0	16.3	22.2	68.0	6
ALCLK185/6	185.0	18.3	24.3	68.0	6
ALCLK240/6	240.0	21.2	28.6	88.0	6
ALCLK300/3	300.0	23.8	31.9	98.0	3
ALCLK400/3	400.0	26.8	34.8	98.0	3
ALCLK500/3	500.0	30.0	38.0	98.0	3
ALCLK630/3	630.0	33.5	45.0	101.0	3

## Non-Insulated Copper Reducing Links

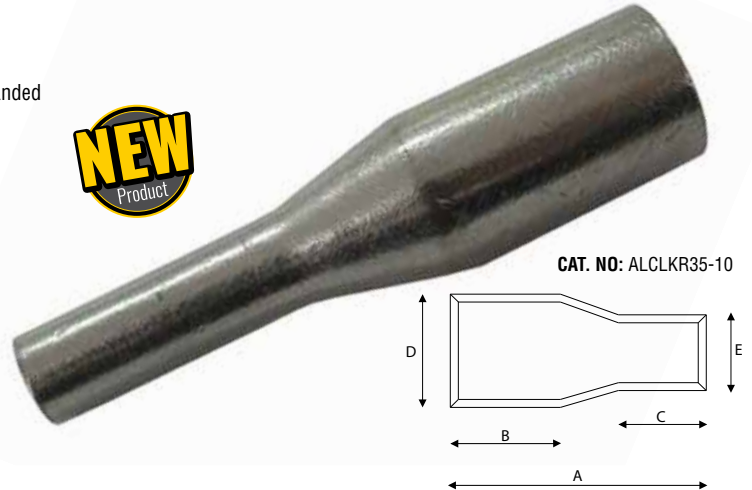
- Uninsulated electrolytic grade copper crimp links for stranded and fine stranded copper conductors (class 2,5 and 6).
- Electro-tin plated for corrosion resistance.
- Chamfered ends for ease of entry of stranded conductors.
- Suitable for use with standard 6 tonne, 12 tonne and indent and hex crimp tools.
- All sizes can be sold individually

**Standards:** AS 4325.1

**Material:** High Conductivity (Electrolytic grade) annealed copper

**Finish:** Tin plated

**Temperature Range:** -55°C to + 150°C



Cat. No.	Overall Length	Large Barrel		Small Barrel		Pack Size
		Length (mm)	ID (mm)	Length (mm)	ID (mm)	
	A	B	D	C	E	
ALCLKR6-4	30	10	4	10	3.0	50
ALCLKR10-6	30	10	4.5	10	4.0	50
ALCLKR16-6	40	19	5.5	10	4.0	25
ALCLKR16-10	40	19	5.5	10	4.5	25
ALCLKR25-6	40	21	7.5	10	4.0	25
ALCLKR25-10	40	21	7.5	10	4.5	25
ALCLKR25-16	50	21	7.5	19	5.5	25
ALCLKR35-10	40	21	8.5	10	4.5	25
ALCLKR35-16	55	21	8.5	19	5.5	25
ALCLKR35-25	60	21	8.5	21	7.5	25
ALCLKR50-10	45	22	9.5	10	4.5	25
ALCLKR50-16	55	22	9.5	19	5.5	25
ALCLKR50-25	55	22	9.5	21	7.5	25
ALCLKR50-35	60	22	9.5	21	8.5	25
ALCLKR70-16	60	24	11.5	19	5.5	10
ALCLKR70-25	60	24	11.5	21	7.5	10
ALCLKR70-35	65	24	11.5	21	8.5	10
ALCLKR70-50	65	24	11.5	22	9.5	10
ALCLKR95-25	65	27	13.5	21	7.5	10
ALCLKR95-35	65	27	13.5	21	8.5	10
ALCLKR95-50	70	27	13.5	22	9.5	10
ALCLKR95-70	70	27	13.5	24	11.5	10
ALCLKR120-35	70	30	15.5	21	8.5	10
ALCLKR120-50	70	30	15.5	22	9.5	10
ALCLKR120-70	75	30	15.5	24	11.5	10
ALCLKR120-95	75	30	15.5	27	13.5	10
ALCLKR150-50	70	30	16.5	22	9.5	6
ALCLKR150-70	75	30	16.5	24	11.5	6
ALCLKR150-95	80	30	16.5	27	13.5	6
ALCLKR150-120	80	30	16.5	30	15.5	6
ALCLKR185-70	75	32	18.5	24	11.5	6
ALCLKR185-95	80	32	18.5	27	13.5	6
ALCLKR185-120	85	32	18.5	30	15.5	6
ALCLKR185-150	85	32	18.5	30	16.5	6
ALCLKR240-95	85	38	21.5	27	13.5	6
ALCLKR240-120	90	38	21.5	30	15.5	6
ALCLKR240-150	90	38	21.5	30	16.5	6
ALCLKR240-185	95	38	21.5	32	18.5	6

- Suits building wire only

Lugs & Links Kits

**Copper Lugs & Links Kit**

- 801 piece electrician's copper lugs and links kit
- Electro tinned for high conductivity
- Non-insulated copper crimp terminals suitable for stranded to fine stranded copper cable

**Note:** for more information on Lugs & Links, see individual pages



Cat. No.	Kit Contains	
ALCLKIT10	WATMH4NW	Ratchet Crimping Tool
	ALCLK1.5	1.5 mm <sup>2</sup> Copper Crimp Link
	ALCLK2.5	2.5 mm <sup>2</sup> Copper Crimp Link
	ALCLK6	6 mm <sup>2</sup> Copper Crimp Link
	ALCLK10	10 mm <sup>2</sup> Copper Crimp Link
	ALCL1.5M5	1.5 mm <sup>2</sup> Copper Crimp Lug with 5mm hole
	ALCL1.5M6	1.5 mm <sup>2</sup> Copper Crimp Lug with 6mm hole
	ALCL2.5M4	2.5 mm <sup>2</sup> Copper Crimp Lug with 4mm hole
	ALCL2.5M5	2.5 mm <sup>2</sup> Copper Crimp Lug with 5mm hole
	ALCL6M8	6 mm <sup>2</sup> Copper Crimp Lug with 8mm hole
	ALCL6M10	6 mm <sup>2</sup> Copper Crimp Lug with 10mm hole

**GENERAL LUGS**



10-400mm<sup>2</sup>  
Independently tested  
and complies to  
Australian Standard  
AS4325.1 cl 7

**LONG BARREL LUGS**



**GENERAL LINKS**



**BELL MOUTH LUGS**



**CIRCUIT BREAKER LUGS**



# ARE YOUR LUGS AND LINKS CERTIFIED?

With over 20 years' experience, Alco has developed an extensive range of lugs that conform to the unique Australian standards. Our in-house engineering capability's means we have extensive knowledge, not just of the products themselves but also of the application of the range. To complement our lugs and links range, we have a wide variety of tools to meet your crimping needs.

**REDUCING LINKS**



**LONG PALM LONG BARREL LUGS**



**BI-METAL LUGS**



**BI-METAL REDUCING LINKS**



**NEW PRODUCT**

# Fixings & Fastenings



Also fixings and fastening range has been developed to meet the demands of todays worksite. Our extensive offer ensures you have the right product to meet all your fixing and fastening requirements.



For Professionals...  
Since 1857™

Clips & Saddles

**Zinc Plated Metal Half Saddles**

- For use indoors and outdoors
- Made from zinc plated mild steel



CAT. NO: ALCS50H/25

Cat. No.	Nominal Size	Securing Hole Diameter	Height	Length	Width	Pack Size
ALCS12H/100	12 mm	5 mm	11.5 mm	33.5 mm	16 mm	100
ALCS16H/100	16 mm	5 mm	15.5 mm	45 mm	19 mm	100
ALCS20H/100	20 mm	5 mm	20 mm	52 mm	19 mm	100
ALCS25H/100	25 mm	5.5 mm	24.5 mm	60 mm	25 mm	100
ALCS32H/50	32 mm	6.5 mm	31.5 mm	67 mm	25 mm	50
ALCS40H/50	40 mm	6.5 mm	40 mm	75 mm	32 mm	50
ALCS50H/25	50 mm	6.5 mm	49 mm	82 mm	39 mm	25

**Zinc Plated Metal Full Saddles**

- For use indoors and outdoors
- Made from zinc plated mild steel



CAT. NO: ALCS50F/25

Cat. No.	Nominal Size	Securing Hole Diameter	Height	Length	Width	Pack Size
ALCS12F/100	12 mm	5 mm	12 mm	41.5 mm	13 mm	100
ALCS16F/100	16 mm	5 mm	16 mm	47 mm	13 mm	100
ALCS20F/100	20 mm	5 mm	20 mm	51 mm	16 mm	100
ALCS25F/100	25 mm	5.5 mm	25 mm	62 mm	19 mm	100
ALCS32F/50	32 mm	5.5 mm	32 mm	75 mm	25 mm	50
ALCS40F/50	40 mm	5.5 mm	40 mm	87 mm	25 mm	50
ALCS50F/25	50 mm	5.5 mm	50 mm	102 mm	25 mm	25

**Hot Dip Galvanised Half Saddles**

- For use indoors and outdoors



CAT. NO: ALCS50HHG/25

Cat. No.	Nominal Size	Securing Hole Diameter	Height	Length	Width	Pack Size
ALCS16HHG/100	16	5.1	17.7	44.1	18.9	100
ALCS20HHG/100	20	5.1	21.5	51.0	18.9	100
ALCS25HHG/100	25	5.1	26.2	59.4	25	100
ALCS32HHG/50	32	6.6	33.2	66.2	25	50
ALCS40HHG/50	40	6.6	41.2	72.2	32	50
ALCS50HHG/25	50	6.6	50.0	80.6	39	25

### Hot Dip Galvanised Full Saddles

- For use indoors and outdoors

CAT. NO: ALCS50FHG/25



Cat. No.	Nominal Size	Securing Hole Diameter	Height	Length	Width	Pack Size
ALCS16FHG/100	16	5.2	17.3	46.7	13.1	100
ALCS20FHG/100	20	5.6	21.8	52	16.1	100
ALCS25FHG/100	25	5.6	26.8	62.5	19.1	100
ALCS32FHG/50	32	5.6	33.7	77.9	25.1	50
ALCS40FHG/50	40	5.6	42.5	87.0	25	50
ALCS50FHG/25	50	5.6	51.6	103.5	25	25
ALCS63FHG/25	63	7	66	130	39	25
ALCS80FHG/25	80	9	92	166	39	25
ALCS100FHG/10	100	9	118	190	39	10

### Spring Girder Clips

- Zinc plated
- Spring steel
- Clamps on most common I-beam sizes
- Range suits all common conduits up to 32mm

Cat. No.	Description	Pack Size
ALCGC813	Spring girder clip, zinc coated steel 8-13mm	100
ALCS16F/100	Spring girder clip, zinc coated steel 16-20mm	100
ALCS20F/100	Spring girder clip, zinc coated steel 25-32mm	100



CAT. NO: ALCGC813

## Cavity Wall Anchors

### Plasterboard Anchors

- Self drilling plasterboard anchor
- Direct fixing into plasterboard
- Able to accept screw or screw hook
- Available in two types - Nylon & Metal
- Flush head for flat finish
- Fast install and removal

Cat. No.	Description	Pack Size
ALCFWMNL640	Plasterboard anchors, nylon 6g x 40mm	40
ALCFWMN640P	Plasterboard anchors, nylon 6g x 40mm	100
ALCFWMZL640	Plasterboard anchors, metal 6g x 40mm	40
ALCFWMM640P	Plasterboard anchors, metal 6g x 40mm	100



CAT. NO: ALCFWMNL640

CAT. NO: ALCFWMZL640

## Nylon Wall Anchors

- Light Duty Friction Anchor
- Usable in various substrates
- Nylon provides insulation separation
- Only needs a small drilled hole
- 3 head styles available
- Quickdrive provides collapsible shank to provide max fastening

Cat. No.	Description	Pack Size
ALCFTIM525	Nylon wall anchor, Mushroom head 5 x 25mm	50
ALCFTIM525P	Nylon wall anchor, Mushroom head 5 x 25mm	100
ALCFTIM540	Nylon wall anchor, Mushroom head 5 x 40mm	50
ALCFTIM6525	Nylon wall anchor, Mushroom head 6.5 x 25mm	50
ALCFTIM6525P	Nylon wall anchor, Mushroom head 6.5 x 25mm	100
ALCFTIM6538P	Nylon wall anchor, Mushroom head 6.5 x 38mm	100
ALCFTIM6550P	Nylon wall anchor, Mushroom head 6.5 x 50mm	100
ALCFTIR525	Nylon wall anchor, Round head 5 x 25mm	50
ALCFTIR525P	Nylon wall anchor, Round head 5 x 25mm	100
ALCFTIR538	Nylon wall anchor, Round head 5 x 38mm	50
ALCFTIR538P	Nylon wall anchor, Round head 5 x 38mm	100
ALCFTIR6525	Nylon wall anchor, Round head 6.5 x 25mm	50
ALCFTIR6538	Nylon wall anchor, Round head 6.5 x 38mm	50
ALCFTIQ530	Nylon quick drive anchor 5 x 30mm	50
ALCFTIQ645	Nylon quick drive anchor 6 x 40mm	40



## Wall-Fix Anchors

- Single piece screw anchor
- Free Square drive bit included
- Large pitch thread design for quick installation
- Drill a 5mm hole in concrete/brick
- Zinc Plated
- Recommended for indoor use only

Cat. No.	Description	Pack Size
ALCWFA632	Wall Fix Anchors Pan head square drive 6 x 32mm	100
ALCWFA650	Wall Fix Anchors Pan head square drive 6 x 50mm	100



## Hollow Wall Anchors

- All metal anchor
- Light duty
- 3 convenient sizes
- Zinc plated
- Recommended for indoor use only
- Phillips drive
- Large head for load bearing
- Barbs to prevent anchor turning

Cat. No.	Description	Material Thickness	Pack Size
ALCFHWA6819	Hollow wall anchor, zinc plated steel 6.8 x 19mm 10kg	8mm	50
ALCFHWA6832	Hollow wall anchor, zinc plated steel 6.8 x 32mm 10kg	12mm	50
ALCFHWA6845	Hollow wall anchor, zinc plated steel 6.8 x 45mm 10kg	24mm	50



### Spring Toggle Anchors

- Toggles provide excellent load spreading
- Zinc Plated
- Recommended for indoor use only
- Phillips Drive

Cat. No.	Description	Pack Size
ALCFST550	Steel spring toggles with round head screws 5 x 50mm	25
ALCFST575	Steel spring toggles with round head screws 5 x 75mm	20



### Sleeve Eye Bolt Anchor

- 2m 1 Eye bolt and anchor
- Expansion Anchor
- Friction Anchor
- Fully Assembled Anchor
- Yellow Zinc
- Recommended for indoor use only

Cat. No.	Description	Pack Size
ALCFBAE840	Eye Bolt sleeve Anchors YZP 8 x 40mm	20



### Screw Bolt Anchors

- Hex flanged head
- Mech. Galvanised for protection
- Dual Thread
- Full Parallel Friction anchoring
- Forms own thread in substrate
- Screws easily and quickly into hole
- Easily removable
- Allows for close to the edge fixing

Cat. No.	Description	Pack Size
ALCHSBA650	Hex Screw Bolt Anchors 6 x 50mm	30
ALCHSBA860	Hex Screw Bolt Anchors 8 x 60mm	15
ALCHSBA8100	Hex Screw Bolt Anchors 8 x 100mm	10
ALCHSBA1060	Hex Screw Bolt Anchors 10 x 60mm	10
ALCHSBA1075	Hex Screw Bolt Anchors 10 x 75mm	5
ALCHSBA10100	Hex Screw Bolt Anchors 10 x 100mm	5
ALCHSBA1275	Hex Screw Bolt Anchors 12 x 75mm	5

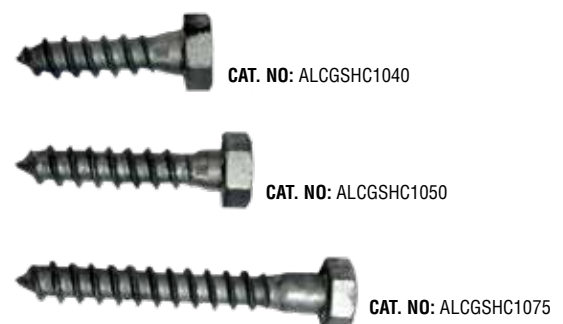


## Screws

### Hex Head Coach Screws

- Heavy duty fixing
- Mech Galvanised for protection

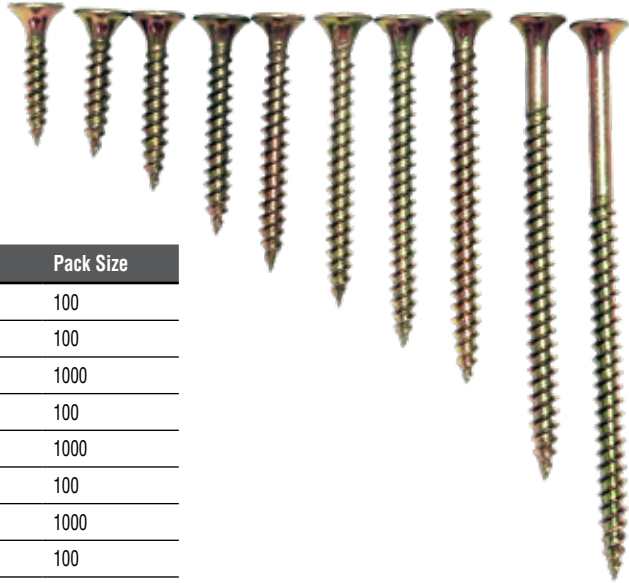
Cat. No.	Description	Pack Size
ALCGSHC1040	Hex head coach screws galvanised 10g x 40mm	25
ALCGSHC1050	Hex head coach screws galvanised 10g x 50mm	20
ALCGSHC1075	Hex head coach screws galvanised 10g x 75mm	15





## Bugle Head Plasterboard Screws

- General Purpose screw
- Needle point for easy penetration
- Will pierce 0.8mm sheet metal
- Takes a standard #2 Phillips bit
- Good stability while driving in.
- Zinc plated
- Bugle head will not tear plasterboard



Cat. No.	Description	Pack Size
ALCB620/100	Bugle head plasterboard screws Yellow Zinc Plated 6g x 20mm	100
ALCB720/100	Bugle head plasterboard screws Yellow Zinc Plated 7g x 20mm	100
ALCB720/1000	Bugle head plasterboard screws Yellow Zinc Plated 7g x 20mm	1000
ALCB725/100	Bugle head plasterboard screws Yellow Zinc Plated 7g x 25mm	100
ALCB725/1000	Bugle head plasterboard screws Yellow Zinc Plated 7g x 25mm	1000
ALCB730/100	Bugle head plasterboard screws Yellow Zinc Plated 7g x 30mm	100
ALCB730/1000	Bugle head plasterboard screws Yellow Zinc Plated 7g x 30mm	1000
ALCB735/100	Bugle head plasterboard screws Yellow Zinc Plated 7g x 35mm	100
ALCB740/100	Bugle head plasterboard screws Yellow Zinc Plated 7g x 40mm	100
ALCB745/100	Bugle head plasterboard screws Yellow Zinc Plated 7g x 45mm	100
ALCB745/500	Bugle head plasterboard screws Yellow Zinc Plated 7g x 45mm	500
ALCB850/100	Bugle head plasterboard screws Yellow Zinc Plated 8g x 50mm	100
ALCB863/100	Bugle head plasterboard screws Yellow Zinc Plated 8g x 63mm	100
ALCB875/100	Bugle head plasterboard screws Yellow Zinc Plated 8g x 75mm	100

## Washer / Button Head Screws

- Head gives large bearing surface
- Drill point will penetrate 2.5mm Steel
- Use #2 Phillips drive bit
- Low profile head
- Zinc Plated

Cat. No.	Description	Pack Size
ALCWS812/100	Washer/button head self drilling screws 8g x 12mm	100
ALCWS812/1000	Washer/button head self drilling screws 8g x 12mm	1000
ALCWS825/100	Washer/button head self drilling screws 8g x 25mm	100
ALCWS825/500	Washer/button head self drilling screws 8g x 25mm	500
ALCWS832/100	Washer/button head self drilling screws 8g x 32mm	100



CAT. NO: ALCWS812

CAT. NO: ALCWS825

CAT. NO: ALCWS832

## Pancake (Wafer) Head Screws

- Use #2 Phillips drive bit
- Ideal for concealed fixing
- 10g for heavier loads
- Point will penetrate 2.5mm Steel
- Zinc plated
- Recommended for indoor use only

Cat. No.	Description	Pack Size
ALCWF1022/100	Pancake head drill point screws YZP 10g x 40mm	100
ALCWF1030/100	Pancake head drill point screws YZP 10g x 50mm	100



CAT. NO: ALCWF1022

CAT. NO: ALCWF1030

# Cable Jointing

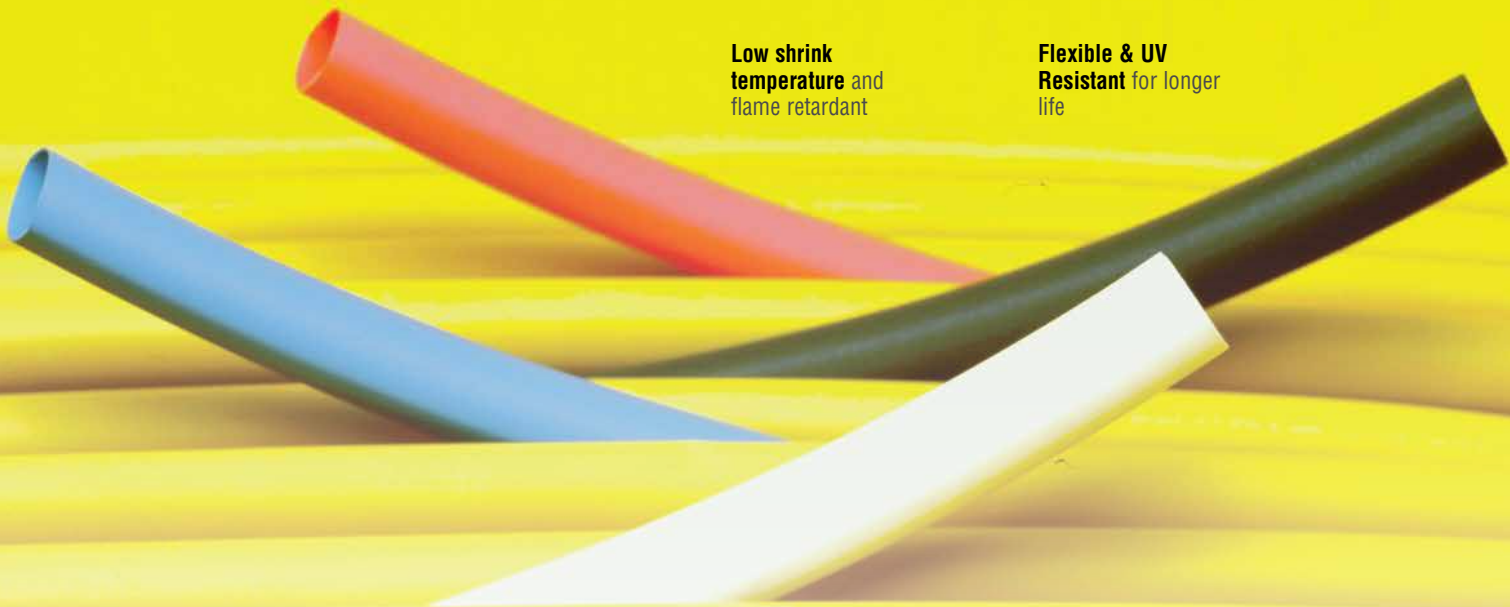
Alco has the range of products for all your LV jointing needs, from heatshrink tube to resin fill joints. Alco heatshrink tube is available in a huge range of sizes and colours to give you all the choice you need. It comes in standard thin wall for identification and jointing and in glue lines for those applications where weatherproof sealing is a requirement.

For Professionals...  
Since 1857™



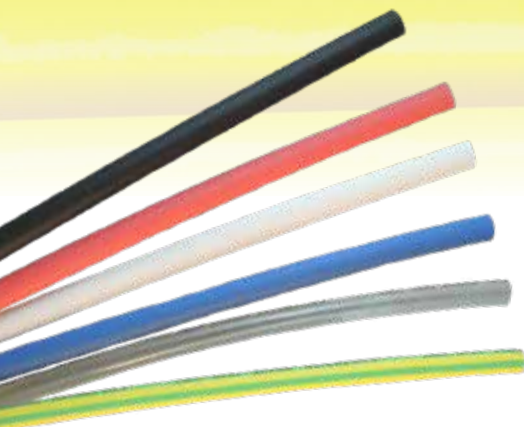
**NO DRIPPING**  
**NO CRACKING**  
**NO BREAKDOWN**

**Heatshrink & Accessories**



**Low shrink temperature** and flame retardant

**Flexible & UV Resistant** for longer life



**Heatshrink Tubing Range Thin Wall**

- Heatshrink is ideally used for heavy duty and general purpose use i.e. electrical insulation, termination, splicing, bundling, cable protection and strain relief
- Suitable for insulation colour-coding and cable terminations
- Low shrink temperature and flame retardant
- Flexible and UV resistant

**Shrink Temperature:** Above 110°C

**Shrink Ratio:** Radial Shrinking Ratio: > 50%  
 Longitudinal Shrinking Ratio: < 10%

**Tensile Strength:** 15.5 MPa

**Elongation at Break:** 580%

**Material:** Ethylene Vinyl Acetate

**Operating Temperature:** -55°C to +125°C

Property	Test Method	Standard
<b>Physical</b>	Tensile strength (Mpa)	ASTM D2671 ≥10.4
	Elongation (%)	ASTM D2671 ≥200
	Tensile strength after aging (Mpa)	UL 224 158°C*168hrs ≥7.3
	Elongation after aging (%)	UL 224 158°C*168hrs ≥100
	Heat shock	UL 224 250°C*4hrs No Dripping, No Cracking
<b>Electrical</b>	Cold blend	UL 224 -30°C*1hrs No cracking
	Dielectric strength(kV/mm)	IEC 243 ≥15
	Dielectric withstand-300V	UL 224 No breakdown for 1500V
	Dielectric withstand-600V	UL 224 No breakdown for 2500V
	Volume resistivity (Ω.cm)	IEC 93 ≥1*1014
<b>Chemical</b>	Corrosion of bare copper	UL 224 158°C*168hrs Pass
	Copper stability	UL 224 158°C*168hrs Pass
	Flammability	UL 224 VW-1

## Thin Wall Heatshrink Tubing Range



Cat. No.	Diameter As Supplied (Mm)	Fully Recovered Diameter After Heating (Mm)	Fully Recovered Wall Thickness (Mm)	Colour	Length (m)
HSTNW1.5/0.75BK	1.5	0.65	0.28	black	1.2
HSTNW1.5/0.75BL	1.5	0.65	0.28	blue	1.2
HSTNW1.5/0.75CL	1.5	0.65	0.28	clear	1.2
HSTNW1.5/0.75RD	1.5	0.65	0.28	red	1.2
HSTNW1.5/0.75WH	1.5	0.65	0.28	white	1.2
HSTNW1.5/0.75YG	1.5	0.65	0.28	yellow/ green	1.2
HSTNW2.0/1.0BK	2.5	1.0	0.35	black	1.2
HSTNW2.0/1.0BL	2.5	1.0	0.35	blue	1.2
HSTNW2.0/1.0CL	2.5	1.0	0.35	clear	1.2
HSTNW2.0/1.0RD	2.5	1.0	0.35	red	1.2
HSTNW2.0/1.0WH	2.5	1.0	0.35	white	1.2
HSTNW2.0/1.0YG	2.5	1.0	0.35	yellow/ green	1.2
HSTNW2.5/1.25BK	3.0	1.5	0.40	black	1.2
HSTNW2.5/1.25BL	3.0	1.5	0.40	blue	1.2
HSTNW2.5/1.25CL	3.0	1.5	0.40	clear	1.2
HSTNW2.5/1.25RD	3.0	1.5	0.40	red	1.2
HSTNW2.5/1.25WH	3.0	1.5	0.40	white	1.2
HSTNW2.5/1.25YG	3.0	1.5	0.40	yellow/ green	1.2
HSTNW5.0/2.5BK	5.5	2.5	0.55	black	1.2
HSTNW5.0/2.5BL	5.5	2.5	0.55	blue	1.2
HSTNW5.0/2.5CL	5.5	2.5	0.55	clear	1.2
HSTNW5.0/2.5RD	5.5	2.5	0.55	red	1.2
HSTNW5.0/2.5WH	5.5	2.5	0.55	white	1.2
HSTNW5.0/2.5YG	5.5	2.5	0.55	yellow/ green	1.2
HSTNW7.0/3.55BK	7.5	3.5	0.55	black	1.2
HSTNW7.0/3.55BL	7.5	3.5	0.55	blue	1.2
HSTNW7.0/3.55CL	7.5	3.5	0.55	clear	1.2
HSTNW7.0/3.55RD	7.5	3.5	0.55	red	1.2
HSTNW7.0/3.55WH	7.5	3.5	0.55	white	1.2
HSTNW7.0/3.55YG	7.5	3.5	0.55	yellow/ green	1.2
HSTNW10.0/5.0BK	10.5	5.0	0.60	black	1.2
HSTNW10.0/5.0BL	10.5	5.0	0.60	blue	1.2
HSTNW10.0/5.0CL	10.5	5.0	0.60	clear	1.2
HSTNW10.0/5.0RD	10.5	5.0	0.60	red	1.2
HSTNW10.0/5.0WH	10.5	5.0	0.60	white	1.2
HSTNW10.0/5.0YG	10.5	5.0	0.60	yellow/ green	1.2
HSTNW13/6.5BK	13.5	6.5	0.65	black	1.2
HSTNW13/6.5BL	13.5	6.5	0.65	blue	1.2
HSTNW13/6.5CL	13.5	6.5	0.65	clear	1.2
HSTNW13/6.5RD	13.5	6.5	0.65	red	1.2
HSTNW13/6.5WH	13.5	6.5	0.65	white	1.2
HSTNW13/6.5YG	13.5	6.5	0.65	yellow/ green	1.2
HSTNW18/9BK	19.0	9.0	0.80	black	1.2
HSTNW18/9BL	19.0	9.0	0.80	blue	1.2
HSTNW18/9CL	19.0	9.0	0.80	clear	1.2
HSTNW18/9RD	19.0	9.0	0.80	red	1.2
HSTNW18/9WH	19.0	9.0	0.80	white	1.2

## Thin Wall Heatshrink Tubing Range

Cat. No.	Diameter As Supplied (Mm)	Fully Recovered Diameter After Heating (Mm)	Fully Recovered Wall Thickness (Mm)	Colour	Length (m)
HSTNW18/9YG	19.0	9.0	0.80	yellow/ green	1.2
HSTNW22/11BK	24.0	11.0	0.80	black	1.2
HSTNW22/11BL	24.0	11.0	0.80	blue	1.2
HSTNW22/11CL	24.0	11.0	0.80	clear	1.2
HSTNW22/11RD	24.0	11.0	0.80	red	1.2
HSTNW22/11WH	24.0	11.0	0.80	white	1.2
HSTNW22/11YG	24.0	11.0	0.80	yellow/ green	1.2
HSTNW25/12BK	25.0	12.0	0.80	black	1.2
HSTNW25/12BL	25.0	12.0	0.80	blue	1.2
HSTNW25/12CL	25.0	12.0	0.80	clear	1.2
HSTNW25/12RD	25.0	12.0	0.80	red	1.2
HSTNW25/12WH	25.0	12.0	0.80	white	1.2
HSTNW25/12YG	25.0	12.0	0.80	yellow/ green	1.2
HSTNW40/20BK	41.5	20.0	1.00	black	1.2
HSTNW40/20BL	41.5	20.0	1.00	blue	1.2
HSTNW40/20CL	41.5	20.0	1.00	clear	1.2
HSTNW40/20RD	41.5	20.0	1.00	red	1.2
HSTNW40/20WH	41.5	20.0	1.00	white	1.2
HSTNW40/20YG	41.5	20.0	1.00	yellow/ green	1.2
HSTNW50/25BK	51.0	25.0	1.00	black	1.2
HSTNW50/25BL	51.0	25.0	1.00	blue	1.2
HSTNW50/25CL	51.0	25.0	1.00	clear	1.2
HSTNW50/25RD	51.0	25.0	1.00	red	1.2
HSTNW50/25WH	51.0	25.0	1.00	white	1.2
HSTNW50/25YG	51.0	25.0	1.00	yellow/ green	1.2
HSTNW70/35BK	70.0	36.0	1.30	black	1.2
HSTNW70/35BL	70.0	36.0	1.30	blue	1.2
HSTNW70/35CL	70.0	36.0	1.30	clear	1.2
HSTNW70/35RD	70.0	36.0	1.30	red	1.2
HSTNW70/35WH	70.0	36.0	1.30	white	1.2
HSTNW70/35YG	70.0	36.0	1.30	yellow/ green	1.2
HSTNW100/50BK	100.0	51.0	1.46	black	1.2
HSTNW100/50BL	100.0	51.0	1.46	blue	1.2
HSTNW100/50CL	100.0	51.0	1.46	clear	1.2
HSTNW100/50RD	100.0	51.0	1.46	red	1.2
HSTNW100/50WH	100.0	51.0	1.46	white	1.2
HSTNW100/50YG	100.0	51.0	1.46	yellow/ green	1.2
HSTNW120/60BK	120.0	61.0	1.56	black	1.2
HSTNW120/60BL	120.0	61.0	1.56	blue	1.2
HSTNW120/60CL	120.0	61.0	1.56	clear	1.2
HSTNW120/60RD	120.0	61.0	1.56	red	1.2
HSTNW120/60WH	120.0	61.0	1.56	white	1.2
HSTNW120/60YG	120.0	61.0	1.56	yellow/ green	1.2
HSTNW150/75BK	150.0	76.0	1.56	black	1.2
HSTNW150/75BL	150.0	76.0	1.56	blue	1.2
HSTNW150/75CL	150.0	76.0	1.56	clear	1.2
HSTNW150/75RD	150.0	76.0	1.56	red	1.2

## Heatshrink Kits

### Small Multi Purpose Heatshrink Kit

- Environmentally friendly, flexible, flame-retardant, heat Shrink tubing
- Complies to UL224
- Dielectric Strength: 15kV/mm
- Operating Temp: -45°C to + 125°C
- Minimum Shrink Temp: 90°C
- Shrink Ratio: 2:1
- RoHS Compliant



Cat. No.	Kit Contains			
		Size (mm)	Colour	Length (mm)
ALCHSKIT1	HSTNW2.5/1.25BK	2.5/1.25	Black	50
	HSTNW2.5/1.25BL	2.5/1.25	Blue	50
	HSTNW2.5/1.25RD	2.5/1.25	Red	50
	HSTNW2.5/1.25WH	2.5/1.25	White	50
	HSTNW2.5/1.25Y	2.5/1.25	Yellow	50
	HSTNW5.0/2.5BK	5.0/2.5	Black	50
	HSTNW5.0/2.5BL	5.0/2.5	Blue	50
	HSTNW5.0/2.5RD	5.0/2.5	Red	50
	HSTNW5.0/2.5WH	5.0/2.5	White	50
	HSTNW5.0/2.5Y	5.0/2.5	Yellow	50
	HSTNW10.0/5.0BK	10.0/5.0	Black	50
	HSTNW10.0/5.0BL	10.0/5.0	Blue	50
	HSTNW10.0/5.0RD	10.0/5.0	Red	50
	HSTNW10.0/5.0WH	10.0/5.0	White	50
	HSTNW10.0/5.0Y	10.0/5.0	Yellow	50
	HSTNW13/6.5BK	13/6.5	Black	70
	HSTNW13/6.5BL	13/6.5	Blue	70
	HSTNW13/6.5RD	13/6.5	Red	70
	HSTNW13/6.5WH	13/6.5	White	70
	HSTNW13/6.5Y	13/6.5	Yellow	70

### Large Multi Purpose Heatshrink Kit

- Environmentally friendly, flexible, flame-retardant, heat Shrink tubing
- Complies to UL224
- Dielectric Strength: 15kV/mm
- Operating Temp: -45°C to + 125°C
- Minimum Shrink Temp: 90°C
- Shrink Ratio: 2:1
- RoHS Compliant



Cat. No.	Kit Contains			
		Size (mm)	Colour	Length (mm)
ALCHSKIT2	HSTNW2.5/1.25BK	2.5/1.25	Black	50
	HSTNW5.0/2.5BL	5.0/2.5	Blue	50
	HSTNW5.0/2.5CL	5.0/2.5	Clear	50
	HSTNW5.0/2.5RD	5.0/2.5	Red	50
	HSTNW5.0/2.5Y	5.0/2.5	Yellow	50
	HSTNW5.0/2.5YG	5.0/2.5	Yellow/Green	50
	HSTNW5.0/2.5BK	5.0/2.5	Black	50
	HSTNW7.0/3.55BK	7.0/3.55	Black	50
	HSTNW7.0/3.55RD	7.0/3.55	Red	50
	HSTNW7.0/3.55WH	7.0/3.55	White	50
	HSTNW10.0/5.0BK	10.0/5.0	Black	85
	HSTNW10.0/5.0CL	10.0/5.0	Clear	85
	HSTNW13/6.5BK	13/6.5	Black	85
	HSTNW13/6.5CL	13/6.5	Clear	85
	HSTNW18/9BL	18/9	Blue	85
	HSTNW18/9CL	18/9	Clear	85
	HSTNW18/9RD	18/9	Red	85
	HSTNW18/9Y	18/9	Yellow	85
	HSTNW18/9BK	18/9	Black	100
	HSTNW13/6.5BK	13/6.5	Black	100
	HSTNW25/12.5BK	25/12.5	Black	250
	HSMWGL10/3L	10	Black	250
	HSMWGL25/8L	25	Black	250

## Cable Ties

### Industrial Nylon Cable Ties

- Industrial cable ties designed for the mobile worker
- Designed for use wherever you need to bundle wire, cable or pipe
- Easily adjustable and made from polyamide 66
- Available in black and white
- Halogen free
- UV resistant (black only)

**Material:** Polyamide 66 UL94V2

**Operating temperature range:** 0-85°C



CAT. NO: ALCTIE140B



CAT. NO: ALCTIE140W



CAT. NO: ALCTIE200BL



CAT. NO: ALCTIE200GN



CAT. NO: ALCTIE200RD



CAT. NO: ALCTIE200YW



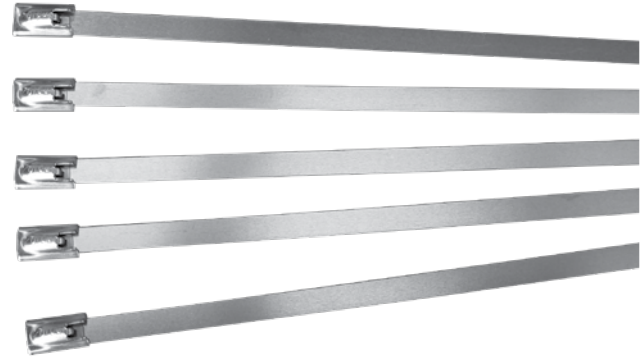
Cat. No.	Length (mm)	Width (mm)	Max Bundle Dia (mm)	Tensile Strength (kg)	Colour	Pack Size
ALCTIE90B	100	2.5	21	8	Black	100
ALCTIE90B/1000	100	2.5	21	8	Black	1000
ALCTIE90W	100	2.5	21	8	White	100
ALCTIE90W/1000	100	2.5	21	8	White	1000
ALCTIE140B	150	3.5	37	18	Black	100
ALCTIE140B/1000	150	3.5	37	18	Black	1000
ALCTIE140W	150	3.5	37	18	White	100
ALCTIE140W/1000	150	3.5	37	18	White	1000
ALCTIE185B	199	4.6	54	22	Black	100
ALCTIE185B/1000	199	4.6	54	22	Black	1000
ALCTIE185W	199	4.6	54	22	White	100
ALCTIE185W/1000	199	4.6	54	22	White	1000
ALCTIE200LDB	200	2.5	52	8	Black	100
ALCTIE200LDW	200	2.5	52	8	White	100
ALCTIE200MDB	200	3.5	52	18	Black	100
ALCTIE200FB	200	7.5	54	54	Black	100
ALCTIE200BL	200	4.6	54	22	Blue	100
ALCTIE200GN	200	4.6	54	22	Green	100
ALCTIE200RD	200	4.6	54	22	Red	100
ALCTIE200YW	200	4.6	54	22	Yellow	100
ALCTIE250B	250	4.6	68	22	Black	100
ALCTIE290B	288	4.6	81	22	Black	100
ALCTIE290B/1000	288	4.6	81	22	Black	1000
ALCTIE290W	288	4.6	81	22	White	100
ALCTIE290W/1000	288	4.6	81	22	White	1000
ALCTIE290BL	290	4.6	81	22	Blue	100
ALCTIE290GN	290	4.6	81	22	Green	100
ALCTIE290RD	290	4.6	81	22	Red	100
ALCTIE290YW	290	4.6	81	22	Yellow	100
ALCTIE360SB	371	4.6	3 - 106	22	Black	100
ALCTIE360SB/1000	371	4.6	3 - 106	22	Black	1000
ALCTIE360SW	371	4.6	3 - 106	22	White	100
ALCTIE360SW/1000	371	4.6	3 - 106	22	White	1000
ALCTIE360FB	370	7.5	3 - 106	54	Black	100
ALCTIE360FB/500	370	7.5	3 - 106	54	Black	500
ALCTIE360FW	370	7.5	3 - 106	54	White	100
ALCTIE360FW/500	370	7.5	3 - 106	54	White	500
ALCTIE430B	430	4.6	125	22	Black	100
ALCTIE510XHDB	510	12.7	150	110	Black	25
ALCTIE530B	530	4.6	160	22	Black	100
ALCTIE540FB	540	7.5	160	54	Black	100
ALCTIE610XHDB	610	12.7	181	110	Black	25
ALCTIE770HDB	770	8.7	226	80	Black	25
ALCTIE770HDW	770	8.7	226	80	White	25
ALCTIE1100HDB	1160	8.7	335	80	Black	25
ALCTIE1530HDB	1530	8.7	460	80	Black	25

#### Nylon Mounting Head Cable Ties

Cat. No.	Length (mm)	Width (mm)	Mounting Head Hole Dia (mm)	Tensile Strength (kg)	Colour	Pack Size
ALCTIE200MHW	200	4.6	5.1	22kg	White	100
ALCTIE200MHB	200	4.6	5.1	22kg	Black	100

## Stainless Steel Cable Ties

- Stainless steel grade 316 cable ties
- Stainless steel cable tie with unique ball locking
- mechanism allow the cable tie to be quickly and easily installed
- Installation is much easier and quicker than traditional metal strapping systems
- Stainless steel cable ties are suitable for environmentally harsh conditions including outdoors, underground, marine oil rigs etc.
- Stainless steel cables ties superior corrosion resistance
- Strong and durable tie for bundling applications in all environmental conditions
- SS316 is especially durable against water or salt spray
- Easy installation by hand or cable tie gun, WATSSCTG
- Fire Rating - WS52W to AS/NZ:3013.



Cat. No.	Length (mm)	Width (mm)	Bundle Dia (mm)	Tensile Strength (kg)	Surface Treatment	Heavy Duty	Pack Size
TIE201-SS	201	4.6	50	45	-	No	100
TIE201-HD-SS	201	7.9	50	113	-	Yes	100
TIE362-SS	362	4.6	102	45	-	No	100
TIE362-HD-SS	362	7.9	102	113	-	Yes	100
TIE521-SS	521	4.6	152	45	-	No	100
TIE521-HD-SS	521	7.9	152	113	-	Yes	100
TIE679-SS	679	4.6	203	45	-	No	100
TIE679-HD-SS	679	7.9	203	113	-	Yes	100
TIE838-HD-SS	838	7.9	254	113	-	Yes	50
TIE1067-HD-SS	1067	7.9	327	113	-	Yes	50
TIE1500-HD-SS	1500	7.9	464	113	-	Yes	50

## Extra Features For Coated Stainless Steel Ties

- SS316 Stainless steel cable tie with black epoxy coating provides excellent resistance to chemical and salt spray
- Coating provides extra protection to cables to help prevent damage
- Coating also provides additional insulation between cable tie bundle materials
- Low smoke Halogen free
- UV Stabilized (coated only)
- Fire Rating - WS52W to AS/NZ:3013.



Cat. No.	Length (mm)	Width (mm)	Bundle Dia (mm)	Tensile Strength (kg)	Surface Treatment	Heavy Duty	Pack Size
TIE201-C-SS	201	4.6	50	45	Coated	No	100
TIE201-CHD-SS	201	7.9	50	90	Coated	Yes	100
TIE362-C-SS	362	4.6	102	45	Coated	No	100
TIE362-CHD-SS	362	7.9	102	90	Coated	Yes	100





## Hand Tools

Wattmaster strippers, cutters, and crimpers are designed to get jobs done with precision and quality.

For Professionals...  
Since 1857™

## Pliers & Side Cutters

### Marvel Heavy Duty Linesmans Pliers

- Diamond pattern nose grip for cleaner, sharper edges and better grip
- Radiused chain grip for gripping, pulling, bending and turning
- Precise tip clearance as blades are individually adjusted and checked
- Extra-long cutter blades for cutting multi-stranded flat cables with one snip
- Made from drop forged hardened steel and fully heat treated
- Black baked finish with heavy duty comfort handle grips



CAT. NO: WATMA880

Cat. No.	Cutting capacity copper wire	Cutting capacity steel wire	Cutting capacity 3C flat cable	Crimping capacity non-insulated terminals	Handle Color	Handle Finish	Overall Length	Weight
WATMA880	0-3.2mm <sup>2</sup>	0-2.6mm <sup>2</sup>	0-2.0mm <sup>2</sup>	2.5-6.0mm <sup>2</sup>	Yellow	Plastic Dipped	225 mm	0.400 kg

### Heavy Duty Linesmans Pliers

- 225mm combination pliers
- Soft comfort handle grips
- Heavy duty non-slip handles
- Tested to 1000V
- Multi-fit nut holder
- Cross thatched pliers
- Precision machined and hardened cutting jaws
- Made from drop forged and heat treated steel



CAT. NO: WATMA880EF



CRIMPER

Crimps non-insulated terminals up to 10mm<sup>2</sup>



CUTTER

Copper up to 16mm<sup>2</sup> & SWA strands to 2mm Ø



MULTI FIT NUT HOLDER

Cat. No.	Cutting capacity copper wire	Cutting capacity SWA Strands	Cutting capacity 3C flat cable	Crimping capacity non-insulated terminals	Handle Color	Steel Material	Overall Length	Weight
WATMA880EF	16mm <sup>2</sup>	2mm	0-2.0mm <sup>2</sup>	up to 10mm <sup>2</sup>	Yellow	CR-MO	225 mm	0.360 kg

### 1000 V Insulated High Leverage Linesmans Pliers

- 225mm heavy duty pliers
- High leverage
- Low profile handles
- Precision machined and hardened cutting jaws
- Drop forged and heat treated
- Double grip crimpers



CAT. NO: WATMA880W

Cat. No.	Cutting capacity copper wire	Cutting capacity steel wire	Crimping capacity non-insulated terminals	Steel Material	Handle Color	Handle Finish	Overall Length	Weight
WATMA880W	6.0-16mm <sup>2</sup>	0-4.0mm <sup>2</sup>	2.5-6.0mm <sup>2</sup>	CR-MO	Yellow	Plastic Dipped	225 mm	0.410 kg

## Marvel Cable Cutting Pliers

- Machine polished blades cut cable without distortion
- Built-in terminal crimping die on handle side of pivot
- Cross hatch nose grip helps grip thin materials easily
- Heavy duty comfort handle grips
- For cutting TPS cable and circular cable
- Cuts copper cable only; not designed to cut steel



CAT. NO: WATMVA200

Cat. No.	Cutting capacity copper wire	Cutting capacity 3C flat cable	Crimping capacity non-insulated terminals	Handle Color	Handle Finish	Overall Length	Weight
WATMVA200	0-25mm <sup>2</sup>	0-2.6mm <sup>2</sup>	1.25 – 2.0mm <sup>2</sup>	Orange	Plastic Dipped	215 mm	0.340 kg

## Cable Cutting Pliers

- 1000V Insulated handles
- High Leverage
- Machine polished blades cut cable without distortion
- Built-in terminal crimping die
- Cross hatch nose grip helps grip thin materials easily
- Heavy duty non slip comfort handle grips



CAT. NO: WATMVA200W

Cat. No.	Cutting capacity copper wire	Cutting capacity 3C flat cable	Crimping capacity non-insulated terminals	Handle Color	Overall Length	Weight
WATMVA200W	0-25mm <sup>2</sup>	0-2.6mm <sup>2</sup>	1.25 – 2.0mm <sup>2</sup>	Yellow	215 mm	0.340 kg

## Cable Cutting Pliers

- 220mm long
- Heavy duty
- Diamond pattern nose grip
- Chain grip
- Precise tip clearance
- Extra-long cutter blades
- Made from drop forged hardened steel
- Crimping capacity: 2.5-6.0mm<sup>2</sup> non-insulated terminals



CAT. NO: WATMVA200R

Cat. No.	Cutting capacity copper wire	Cutting capacity 3C flat cable	Crimping capacity non-insulated terminals	Handle Color	Overall Length	Weight
WATMVA200R	0-25mm <sup>2</sup>	0-2.6mm <sup>2</sup>	1.25 – 2.0mm <sup>2</sup>	Red	220 mm	0.340 kg

### Marvel Long Nose Pliers

- Long nose pliers with side cutters
- Used for wiring, assembly and repair work
- Made from drop forged chrome vanadium steel
- Long serrated inside jaws
- Fully heat treated beveled side cutting pliers
- Black baked finish with polished jaws



CAT. NO: WATMA500200

Cat. No.	Cutting capacity copper wire	Cutting capacity steel wire	Handle Color	Handle Finish	Overall Length	Weight
WATMA500200	0-2.6mm <sup>2</sup>	0-1.5mm <sup>2</sup>	Yellow	Plastic Dipped	200 mm	0.260 kg

### Marvel Diagonal Cutting Nippers

- Flush cutting nippers for soft wire
- Black finish with polished jaws
- Fully heat treated with dipped vinyl handle grips
- Made from drop forged chrome vanadium steel
- Ground head



CAT. NO: WATMA600

Cat. No.	Cutting capacity copper wire	Cutting capacity steel wire	Handle Color	Handle Finish	Overall Length	Weight
WATMA600	0-2.6mm <sup>2</sup>	0-1.6mm <sup>2</sup>	Red	Plastic Dipped	150 mm	0.120 kg

### Marvel High Leverage Cutting Nippers

- High leverage design with beveled blades
- For heavy duty cutting of steel wire
- Made from drop forged chrome vanadium steel
- Fully heat treated, black finish with polished jaws
- Ground head with dipped vinyl handle grips



CAT. NO: WATMA730

Cat. No.	Cutting capacity copper wire	Cutting capacity steel wire	Cutting capacity 3C flat cable	Handle Color	Handle Finish	Overall Length	Weight
WATMA730	0-3.0mm <sup>2</sup>	0-2.6mm <sup>2</sup>	0-2.0mm <sup>2</sup>	Yellow	Plastic Dipped	200 mm	0.340 kg

## High Leverage Cutting Nippers

- High leverage
- Drop forged
- Heavy duty non slip comfort handle grips
- Heavy duty beveled blades
- Cuts steel and copper wire



CAT. NO: WATMA730W

Cat. No.	Cutting capacity copper wire	Cutting capacity flat cable	Cutting capacity steel catenary wire	Cutting capacity steel armour wire	Handle Color	Overall Length	Weight
WATMA730W	16mm <sup>2</sup>	3 x 4mm <sup>2</sup>	7/1.25mm <sup>2</sup>	2.6mm <sup>2</sup>	Yellow	200 mm	0.300 kg

## Conduit & Cable Cutters

### PVC Pipe / Duct Cutter

- PVC pipe and duct cutter with anvil
- Special steel blades
- Ergonomically designed handles to minimize effort
- Gives clean edges and a professional finish to all pipe and duct cutting
- Ratcheting action
- Anvil is marked for accurate 45° mitre cuts



CAT. NO: WATM42

Cat. No.	Cutting capacity	Weight
WATM42	Up to 38mm <sup>2</sup> diameter PVC pipe and 25mm x 25mm <sup>2</sup> diameter duct	0.225 kg

#### Accessories

Cat. No.	Description
WATM42SA	Spare Anvil
WATM42SB	Spare Blade

### PVC Pipe / Duct Cutter

- Quick release
- Cuts PVC pipe up to a maximum of 42mm diameter
- Also cuts PPR pipe, PE pipe and EXP pipe
- Multiple step cutting action requires less effort
- Creates a square and smoother cut
- Low profile design gets in to tight areas
- Handle lock for extra safety
- Made from aluminum alloy
- High quality stainless steel blade



CAT. NO: WATM42W

Cat. No.	Cutting capacity	Weight
WATM42	Up to 38mm <sup>2</sup> diameter PVC pipe and 25mm x 25mm <sup>2</sup> diameter duct	0.210 kg

## Cable Strippers

### Jokari Swivel Blade Cable Stripper

- For precise cable stripping of common round cables
- Adjustable cutting depth
- Lightweight and dual purpose cable strippers
- Made from wear resistant nylon for longer life
- Centre or end stripping; supplied with spare blade
- Strips rubber, PVC, teflon and polyethylene



CAT. NO: WAT10160

Cat. No.	Stripping capacity	Overall Length	Weight
WAT10160	4–16mm <sup>2</sup> diameter cable	122 mm	0.075 kg
Accessories			
Cat. No.	Description		
WAT19000	Spare Blades (3 pack)		

### Cable Stripper / Crimper / Cutter

- Stripper/crimper/cutter in one tool
- Special light pressured handles
- Lightweight



CAT. NO: WATSTCRS9

Cat. No.	Crimping Capacity Pre-Insulated Terminals	Crimping Capacity Non-Insulated Terminals	Crimping Capacity Ignition Terminals	Cutting Capacity Diameter Cable	Stripping Capacity Diameter Cable	Overall Length	Weight
WATSTCRS9	0.5-6.0mm <sup>2</sup>	0.5-6.0mm <sup>2</sup>	7.0-8.0mm <sup>2</sup>	0.2-6.0mm <sup>2</sup>	0.2-6.0mm <sup>2</sup>	210 mm	0.290 kg

### Jokari Solar Cable Strippers

- Suitable for quick and precise cable stripping of all common security and energy cables. E.g. flame-retardant cables, short-circuit and earthing protection cables, halogen free cables 1.5 - 16mm<sup>2</sup>
- Including series wire stopper/length scale 8 - 10 -12mm
- For perfect crimping of special insulated ferrules
- No adjustment of cutting depth necessary



CAT. NO: WAT30190

CAT. NO: WAT30180

CAT. NO: WAT30200

Cat. No.	Stripping Capacity diameter cable
WAT30180	1.5 mm <sup>2</sup>
WAT30190	2.5 - 6 mm <sup>2</sup>
WAT30200	10 - 16 mm <sup>2</sup>

Hand Crimper Systems

# CLICK N' CRIMP TECHNOLOGY

**Colour Coded Die**  
for easy use with pre-insulated terminals  
(WATK106010)

**Click n' Crimp Technology**  
instead of filling up your tool bag with lots of different crimping tools, simply click in the die you need into the WATK007 and crimp.

**Die Storage**  
Dies not in use can be stored in handles



CAT. NO: WATK007

## Professional Ratchet Crimper

- Crimping Tool for pre-insulated, non-insulated and bootlace terminal
- Dies can be changed within seconds by simple "click" action
- Dies not in use can be stored in handles
- Hardened die sets; ratchet mechanism
- Made from hardened 3mm special alloy steel
- Ergonomic bi-component handles
- Crimper supplied with WATK106010, WATK106011, WATK106012 dies

Cat. No.	Crimping capacity pre-insulated terminals	Crimping capacity non-insulated terminals	Crimping capacity bootlace terminals	Overall Length	Weight
WATK007	0.5-6.0mm <sup>2</sup>	0.5-10.0mm <sup>2</sup>	0.5-10.0mm <sup>2</sup>	240 mm	0.690 kg

**Accessories**

Cat. No.	Description	Crimping capacity
WATK106010	Die for pre-insulated terminals and connectors	0.5 - 1.5/1.5 - 2.5/2.5 - 6 .0mm <sup>2</sup>
WATK106011	Die for pre-insulated terminals and connectors	1.5/2.5/6.0/10.0mm <sup>2</sup>
WATK106012	Die for pre-insulated and non-insulated bootlace terminals	0.5/0.75/1.0/1.5/2.5/4.0/6.0/10.0mm <sup>2</sup>
WATK106013	Die for open barrel terminals and connectors	0.5-1.0/1.5-2.5/4.0-6.0mm <sup>2</sup>
WATK106014	Die for pre-insulated and non-insulated bootlace terminals	16.0/25.0/35.0mm <sup>2</sup>
WATK106015	Die for BNC plugs (coaxial cables)	RG 58/59/62/174
WATK106016	Die for unshielded 6 pole modular plugs (Type SS, AMP)	RJ 11 (6P4C)/RJ 12 (6P4C) plugs
WATK106017	Die for unshielded 6 pole modular plugs (Type SS, AMP)	RJ 45 (8P8C) plugs
WATK106018	Die for shielded 8 pole modular plugs, CAT 5	RJ 45 (8P8C) plugs
WATK106019	Die for shielded 8 pole modular plugs, CAT 5 (Type Hirose RM 11/21)	RJ 45 (8P8C) plugs
WATK106027	Die for solar connector	MC3 2.5-6mm
WATK106028	Die for solar connector	MC4 2.5-6mm



WATK106010 WATK106011 WATK106012 WATK106013 WATK106014 WATK106015 WATK106016 WATK106017 WATK106018 WATK106019 WATK106027 WATK106028

## Ratchet Crimper

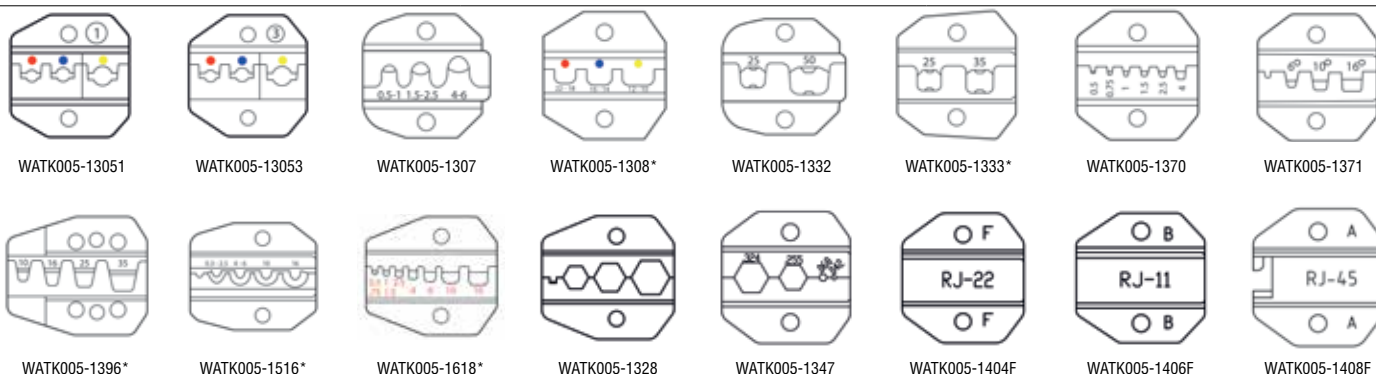
- Quick release crimping tool for pre-insulated, non-insulated and bootlace terminals
- Also suitable for crimping open barrel terminals (sold separately)
- Dies can be changed within seconds
- Hardened die sets, ratchet mechanism



CAT. NO: WATK005

Cat. No.	Overall Length	Weight
WATK005	260 mm	0.620 kg

Accessories		
Cat. No.	Description	Crimping capacity
WATK005-13051	Die for insulated colour code nest terminal	0.5-1.0/1.5-2.5/4-6mm <sup>2</sup>
WATK005-13053	Die for insulated male disconnect terminal	0.5-1.0/1.5-2.5/4-6mm <sup>2</sup>
WATK005-1307	Die for non-insulated open barrel terminal	0.5-1.0/1.5-2.5/4-6mm <sup>2</sup>
WATK005-1308	Die for fully insulated quick disconnect terminals	0.5-1.0/1.5-2.5/4-6mm <sup>2</sup>
WATK005-1332	Die for insulated and non-insulated bootlace terminals	25/50mm <sup>2</sup>
WATK005-1333	Die for insulated and non-insulated bootlace terminals	25/35mm <sup>2</sup>
WATK005-1370	Die for insulated and non-insulated bootlace terminals	0.5/0.75/1.0/1.5/2.5/4mm <sup>2</sup>
WATK005-1371	Die for insulated and non-insulated bootlace terminals	6/10/16mm <sup>2</sup>
WATK005-1396	Die for insulated and non-insulated bootlace terminals	10-35mm <sup>2</sup>
WATK005-1516	Die for non-insulated terminals	0.3-16mm <sup>2</sup>
WATK005-1618	Die for insulated and non-insulated bootlace terminals	0.5/0.75/1.0/1.5/2.5/4/6/10/16mm <sup>2</sup>
WATK005-1328	Die for RG59 and RG6 F-Type CAT V connectors	RG59, RG6
WATK005-1347	Die for RG59 and RG6 for both 50 & 75OHM Cable	RG59
WATK005-1404F	Die for RJ22 connectors	RJ22
WATK005-1406F	Die for RJ11 connectors	RJ11
WATK005-1408F	Die for RJ45 connectors	RJ45



## Ratchet Crimper Kit

- Quick release crimping tool for pre-insulated, non-insulated and bootlace terminals
- Also suitable for crimping open barrel terminals (sold separately)
- Dies can be changed within seconds
- Hardened die sets, ratchet mechanism



Cat. No.	Kit Contains		
	Cat. No.	Description	Crimping capacity
WATK005-KIT	WATK005	Quick release crimping tool	
	WATK005-1308	Die for fully insulated quick disconnect terminals	0.5-1.0/1.5-2.5/4-6mm <sup>2</sup>
	WATK005-1516	Die for non-insulated terminals	0.3-16mm <sup>2</sup>
	WATK005-1333	Die for insulated and non-insulated bootlace terminals	25/35mm <sup>2</sup>
	WATK005-1618	Die for insulated and non-insulated bootlace terminals	0.5/0.75/1.0/1.5/2.5/4/6/10/16mm <sup>2</sup>
	WATK005-1396	Die for insulated and non-insulated bootlace terminals	10-35mm <sup>2</sup>



Combination Hand Crimpers

Combination Crimping Pliers

- Crimping tool for bootlace terminals
- Ergonomically designed handles
- Made from drop forged carbon steel
- Lightweight and easy to operate



CAT. NO: WATBLC-TC6

Cat. No.	Crimping capacity	Overall Length	Weight
WATBLC-TC6	0.25, 0.34, 0.5, 0.75, 1.0, 1.5 and 2.5mm <sup>2</sup> bootlace terminals	160 mm	0.200 kg

Combination Crimping Pliers

- Crimping tool for bootlace terminals
- Ergonomically designed handles
- Made from drop forged carbon steel
- Lightweight and easy to operate



CAT. NO: WATBLC-TC8

Cat. No.	Crimping capacity	Overall Length	Weight
WATBLC-TC8	0.5, 0.75, 1.0, 1.5, 2.5, 4.0, 6.0, 10.0 and 16.0mm <sup>2</sup> bootlace terminals	190 mm	0.240 kg

Marvel Combination Crimping Pliers

- Crimper, stripper and cutter combined in one tool
- Crimping tool suitable for pre-insulated terminals
- Pressed from special tool steel
- Black baked enamel finish
- Rigid plastic cushioned vinyl handle grips
- Precision machined and fully heat treated



CAT. NO: WATMEB100C

Cat. No.	Crimping capacity pre-insulated terminals	Stripping capacity cable	Cutting capacity ISO bolts	Overall Length	Weight
WATMEB100C	0.5–1.5, 1.5–2.5 and 2.5–6.0mm <sup>2</sup>	0.75 to 6.0mm <sup>2</sup>	2.6, 3.0, 3.5, 4.0 and 5.0mm	220 mm	0.220 kg

### Combination Crimping Pliers

- Crimper, stripper and cutter combined in one tool
- Crimping tool suitable for pre-insulated and non-insulated terminals
- Pressed from special tool steel
- Black baked enamel finish with metric bolt cutter included
- Rigid plastic vinyl handle grips
- Precision machined and fully heat treated



CAT. NO: WATMEB100CW

Cat. No.	Crimping capacity pre-insulated terminals	Crimping capacity non-insulated terminals	Stripping capacity cable	Cutting capacity ISO bolts	Overall Length	Weight
WATMEB100CW	0.5–1.5, 1.5–2.5 and 2.5–6.0mm <sup>2</sup>	1.5, 2.5 and 4.0–6.0mm <sup>2</sup>	0.75 to 6.0mm <sup>2</sup>	2.6, 3.0, 3.5, 4.0 and 5.0mm	220 mm	0.220 kg

### Bootlace Terminal Hand Crimpers

#### Front Crimp Bootlace Crimper

- For crimping bootlace terminals 0.6 to 6 mm<sup>2</sup>
- Nose crimper - excellent for narrow, confined places like switch boxes.
- Made in Germany



FRONT VIEW



CAT. NO: WATBLC-FC6

Cat. No.	Crimping capacity	Overall Length	Weight
WATBLC-FC6	0.6 – 6.0mm <sup>2</sup>	180 mm	0.235 kg

#### Bootlace Crimper

- For crimping bootlace terminals 0.25 to 16 mm<sup>2</sup>
- Marked half-round dies for reliable connections between the sleeve and the conductor
- Made in Germany



CAT. NO: WATBLC-TC16

Cat. No.	Crimping capacity	Overall Length	Weight
WATBLC-TC16	0.25 – 16.0mm <sup>2</sup>	180 mm	0.250 kg

#### Self-Adjusting Bootlace Terminals Crimper

- Self-adjusting crimping tool for bootlace terminals
- Ergonomically designed handles
- Made from steel casting
- Lightweight and easy to operate



CAT. NO: WATBLC-DL10

Cat. No.	Crimping capacity	Overall Length	Weight
WATBLC-DL10	0.08-10.0mm <sup>2</sup> bootlace terminals	220 mm	0.600 kg

## Self-Adjusting Bootlace Terminals Crimper

- Self-adjusting crimping tool for bootlace terminals
- Ergonomically designed handles
- Made from steel casting
- Lightweight and easy to operate



CAT. NO: WATBLC-DL16

Cat. No.	Crimping capacity	Overall Length	Weight
WATBLC-DL16	0.5-16.0mm <sup>2</sup> bootlace terminals	185 mm	0.600 kg

## Self-Adjusting Bootlace Terminals Crimper

- Ratchet crimping tool for bootlace terminals
- Ergonomically designed handles
- Made from drop forged carbon steel
- Lightweight and easy to operate
- Ratchet controlled for consistent results



CAT. NO: WATKSBLC

Cat. No.	Crimping capacity	Overall Length	Weight
WATKSBLC	0.5-16.0mm <sup>2</sup> bootlace terminals	260 mm	0.620 kg

## Bootlace Terminals Crimpers

- Ergonomically designed handles
- Ratchet controlled for consistent results
- Lightweight and easy to operate



Cat. No.	Crimping capacity	Overall Length	Weight
WATKSBLC-T2X6	2 x 0.5 – 2 x 6mm <sup>2</sup> twin bootlace terminals	260 mm	0.580 kg
WATKSBLC-35	10 – 35mm <sup>2</sup> bootlace terminals	270 mm	0.620 kg
WATKSBLC-95	50 – 95mm <sup>2</sup> bootlace terminals	330 mm	0.800 kg
WATKSBLC-150	120 – 150mm <sup>2</sup> bootlace terminals	360 mm	0.920 kg

CAT. NO: WATKSBLC-T2X6



CAT. NO: WATKSBLC-35



CAT. NO: WATKSBLC-95



CAT. NO: WATKSBLC-150



## Non-Insulated Terminal Hand Crimpers

### Marvel Non-Insulated Terminal Ratchet Crimper



- Crimping tool for non-insulated terminals
- Jaws made from chrome molybdenum steel
- Handles and dies cast from carbon alloy steel and are fully heat treated
- Lightweight and easy to use, complete crimp with one hand
- Long lasting precision tool with black baked finished jaws



CAT. NO: WATMH14

Cat. No.	Crimping capacity non-insulated terminals	Overall Length	Weight
WATMH14	1.5, 2.5, 6.0 10.0 and 16.0mm <sup>2</sup>	240 mm	0.460 kg

### Non-Insulated Terminal Ratchet Crimper

- Crimping tool for non-insulated terminals
- Jaw made from chrome molybdenum steel
- Handles and dies cast from carbon alloy steel and are fully heat treated
- Non-slip TPR handle grips
- Lightweight and easy to use, complete with one hand
- Long lasting precision tool with black baked finished jaws



CAT. NO: WATMH14W

Cat. No.	Crimping capacity non-insulated terminals	Overall Length	Weight
WATMH14W	1.5, 2.5, 6.0 10.0 and 16.0mm <sup>2</sup>	240 mm	0.460 kg

### Non-Insulated Terminal Ratchet Crimper

- Crimping tool for non-insulated terminals
- Lightweight and easy to operate
- Ratchet controlled for consistent results
- Ergonomically designed handles
- Made from drop forged carbon steel



CAT. NO: WATMH4NW

Cat. No.	Crimping capacity non-insulated terminals	Overall Length	Weight
WATMH4NW	0.5-1.5, 1.5-2.5, 4.0-6.0 and 8.0mm <sup>2</sup>	260 mm	0.600 kg

### Non-Insulated Terminal Combination Crimping Pliers

- Crimping tool for non-insulated terminals
- Jaws made from chrome molybdenum steel
- Handles and dies cast from carbon alloy steel and are fully heat treated
- Lightweight and easy to use, complete crimp with one hand
- Long lasting precision tool with black baked finished jaws



CAT. NO: WATKS2045E

Cat. No.	Crimping capacity non-insulated terminals	Overall Length	Weight
WATKS2045E	1.5, 2.5, 6.0 10.0 and 16.0mm <sup>2</sup>	240 mm	0.460 kg

Specialty Hand Crimpers

Open Barrel Terminals Crimper

- Ratchet crimping tool for open barrel terminals
- Ergonomically designed handles
- Made from drop forged carbon steel
- Lightweight and easy to operate
- Ratchet controlled for consistent results



CAT. NO: WATMH4NOB

Cat. No.	Crimping capacity	Overall Length	Weight
WATMH4NOB	0.5 – 1.5, 1.5 – 2.5 & 4.0 – 6.0mm <sup>2</sup> open barrel terminals	260 mm	0.600 kg

Heatshrinkable Terminals Crimper

- Ratchet crimping tool for heat shrinkable terminals
- Ergonomically designed handles
- Made from drop forged carbon steel
- Lightweight and easy to operate
- Ratchet controlled for consistent results



CAT. NO: WATMH3DHS

Cat. No.	Crimping capacity	Overall Length	Weight
WATMH3DHS	0.5 – 1.5, 1.5 – 2.5 & 4.0 – 6.0mm <sup>2</sup> heatshrinkable terminals	260 mm	0.620 kg

Professional Modular Data Crimper

- All-in-one tool cuts, strips and crimps all types of modular plugs
- No need to change dies
- High quality tool with non-slip comfort handle grips
- 6mm stripping length
- Built-in round cable stripper



RJ45



RJ12



RJ11



CAT. NO: WATDAT-2008A

Cat. No.	Crimping capacity	Stripping capacity	Overall Length	Weight
WATDAT-2008A	RJ45 (8P8C), RJ12 (6P6C), RJ11 (6P2C/4P4C) modular plugs, DEC/offset plugs	Up to 12mm <sup>2</sup> diameter round cable	210 mm	0.560 kg

### Solar Connector Crimper

- Crimper for multi-contact MC4 solar PV core connector
- Ergonomically designed handles
- Made from drop forged carbon steel
- Lightweight and easy to operate
- Ratchet controlled for consistent results



CAT. NO: WATSC-MC2/6

Cat. No.	Crimping capacity	Overall Length	Weight
WATSC-MC2/6	MC4 2.5, 4 & 6mm <sup>2</sup> solar connectors	230 mm	0.480 kg

### Guided Solar Connector Crimper

- Crimper for multi-contact MC4 solar PV core connector
- With regulating and locating housing
- Ergonomically designed handles
- Made from drop forged carbon steel
- Lightweight and easy to operate
- Ratchet controlled for consistent results



CAT. NO: WATSC-MC2/6-G

Cat. No.	Crimping capacity	Overall Length	Weight
WATSC-MC2/6-G	MC4 2.5, 4 & 6mm <sup>2</sup> solar connectors	200 mm	0.380 kg



## Mechanical Hand Crimpers

### Hand Operated Mechanical Crimper

- Hand operated mechanical crimping tool for copper lugs and links
- Built-in crimp die set to range of different sizes
- No dies to replace; simply rotate die to required crimp size
- High tolerance and high precision



CAT. NO: WATMECH6120P

Cat. No.	Crimp Type	Crimping Capacity Non-Insulated Terminals	Overall Length	Weight
WATMECH650P	Hexagonal	6.0-50.0mm <sup>2</sup>	380 mm	1.3 kg
WATMECH6120P	Hexagonal	6.0-120.0mm <sup>2</sup>	600 mm	3.9 kg

### Hand Operated Mechanical Crimper with Detachable Handles

- Hand operated mechanical crimping tool for copper lugs and links.
- Built-in crimp die set for all standard conductor sizes from 6 to 120mm<sup>2</sup>.
- Dies lock into place for consistent crimping.
- No dies to replace; simply rotate and unlock die to required crimp size
- Comes with detachable click in handles in a handy carry case the keeps pieces together and prolongs tool life.



CAT. NO: WATMECH6120P-RH

Cat. No.	Crimp Type	Crimping Capacity Non-Insulated Terminals	Overall Length	Weight
WATMECH6120P-RH	Hexagonal	6.0 – 120.0mm <sup>2</sup> Lugs & Links	660 mm	3.5 kg



Screwdrivers

Witte 6 Piece Insulated Screwdriver Set

- 6 piece 1000V insulated screwdriver set
- Individually tested in water up to 10,000V to ensure maximum safety
- Tested in accordance with DIN EN 60900 and IEC900
- Burnished blades of high alloy steel
- Ergonomically designed handles with soft and hard grip
- VDE approved
- Made in Germany

Cat. No.	Kit Contains		
	Type	Head Size	Shaft Length
WAT620757	Slotted	0.5 x 3.0mm	100 mm
	Slotted	0.8 x 4.0mm	100 mm
	Slotted	1.0 x 5.5mm	125 mm
	Slotted	1.2 x 6.5mm	150 mm
	Phillips	No.1	80 mm
	Phillips	No.2	100 mm



CAT. NO: WAT620757



Witte 6 Piece Insulated Slimline Screwdriver Set

- 6 piece 1000V insulated screwdriver set
- Smaller blade diameter with no overlying insulation
- Provides easy access to small openings or screws that are hard to reach
- Ideal for tackling sunken screw and spring elements in live components
- Individually tested in water up to 10,000V to ensure maximum safety
- Cold impact testing at -40°C, complies with DIN EN IEC 60900
- VDE approved
- Easy-grip soft zones for optimum torque
- Burnished blades of high alloy steel
- Ergonomic designed handles with soft and hard grip
- Made in Germany

Cat. No.	Kit Contains		
	Type	Head Size	Shaft Length
WAT620757-S	Slotted	0.5 x 3.0mm	100 mm
	Slotted	0.8 x 4.0mm	100 mm
	Slotted	1.0 x 5.5mm	125 mm
	Slotted	1.2 x 6.5mm	150 mm
	Phillips	No.1	80 mm
	Phillips	No.2	100 mm



CAT. NO: WAT620757-S



## Cable Tie Guns

### Nylon Cable Tie Gun

- Helps eliminate sharp edges on cut cable ties
- Suitable for cable ties from 2.2-4.8mm in width
- Tension adjustment allows the user to adapt the tool to the size of the cable tie
- Durable metal construction



CAT. NO: WATNCTG

Cat. No.	Cable tie material	Tool material	Max width of cable tie	Overall Length	Weight
WATNCTG	Nylon	Metal	4.8mm	155 mm	0.300 kg

### Stainless Steel Cable Tie Gun

- Helps eliminate sharp edges on cut cable ties
- Suitable for cable ties from 2.2-4.8mm in width
- Tension adjustment allows the user to adapt the tool to the size of the cable tie
- Durable metal construction



CAT. NO: WATSSCTG

Cat. No.	Cable tie material	Tool material	Max width of cable tie	Overall Length	Weight
WATSSCTG	Steel	Metal	4.6mm	210 mm	0.560 kg

### Stainless Steel Cable Tie Gun

- Automatically tensions and cuts cable ties
- Suitable for stainless steel cable ties up to 7.9mm in width and 0.3mm thick
- Four tension levels
- Durable metal construction



CAT. NO: WATSSCTG

Cat. No.	Cable tie material	Max width of cable tie	Overall Length	Weight
WATSSCTG	Steel	7.9mm	140 mm	0.560 kg

Accessories	
Cat. No.	Description
WATSSCTG-RRS	Replaceable ratchet set
WATSSCTG-RCB	Replaceable cutting set



General Electricians Tools

**Micro Gas Torch**

- Ideal for situations where a high volume of portable heat source is required for soldering, brazing and heatshrinking
- Suitable for automotive, plumbing and working with plastic
- Butane gas powered with safety lock and instant electronic ignition
- Refillable cordless and portable
- Adjustable flame control
- 1300°C heating temperature

Cat. No.	Working Time	Dimensions	Weight
WATRK2121	60mins approx. on full tank	186 (L) x 115 (W) x 45mm diameters	0.300 kg



CAT. NO: WATRK2121

**Conduit Flaring Tool**

- Makes conduit bells
- No more wasted conduit
- Make your own custom bends; any shape, any size
- Made in Australia
- For use with 20, 25, 32 and 40mm conduit

Cat. No.	Dimensions	Weight
WATBM	168mm x 168mm	0.158 kg



CAT. NO: WATBM

**Electrical Bracket Buddy**

- Locates electrical brackets in plaster wall
- A must for all electricians and tradesman
- Easy to use and extremely accurate
- No batteries required
- Halves your cut-out time
- No unnecessary holes

Cat. No.	Dimensions	Weight
WATBRKBUDDY	111 mm x 76 mm	0.150 kg



CAT. NO: WATBRKBUDDY

## GPO Level

- GPO level plaster cut out template
- 2 Resin Vials
- Aligns power point
- Can be used as a template for cut-out
- Convenient and easy to use

Cat. No.	Dimensions	Weight
WATGPOLVL	87mm x 52mm	0.010 kg



CAT. NO: WATGPOLVL

## Heat Gun

- 2000W powered heat gun with six piece accessory set
- 2 heat settings: 350°C and 550°C
- 240V, 50Hz input power
- Hanging ring
- Conveniently stored in plastic carry case
- Kit includes heat gun, cone nozzle, glass protector nozzle, reflector nozzle, fish tail nozzle, handle and scraping head
- Heat settings: 350°C and 550°C

Cat. No.	Heat settings	Weight
WATHGK	350°C and 550°C	1.720 kg (including case)



CAT. NO: WATHGK

## Volt Stick

- Tests for the presence of AC voltage in cables, wall sockets, switches etc. without metal contact
- Pocket sized non-contact voltage sensor with light and sound indication
- Beeping sound indicates live wire
- Fully insulated body and safety hand guard
- Still illuminates at low battery charge; no sound means change batteries
- New positive screw cap



CAT. NO: WATVS

Cat. No.	Voltage range	Sensitivity	Power supply	Category rating	Material	Dimensions	Weight
WATVS	230–1000V AC	Indicates within 4mm of wire carrying 230V AC	2 standard AAA batteries (included)	CAT III 1000V AC	Pa6, PP-COP	146 x 18mm	0.400 kg

Caution: Only to be used by a competent person. Prove on known live before and after testing. Does not detect voltage in all circumstances



## Holemaking

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Made of top-of-the-line materials for longer lasting performance, Wattmaster's diverse range of Marvel holemaking products and accessories provide accuracy and consistency to get the job done right.

For Professionals...  
Since 1857™

# Holesaws

## Marvel High Speed Steel Holesaws

- Long lasting cutters allow fast accurate cutting of steel and alloy sheet
- For use with hand-held electric drill or drill press
- Blade and centre drill are machined from high speed steel and are heat treated
- Blades have a sand blast finish
- Three piece construction (arbor, blade and centre drill) allows replacement of blade or centre drill



Part	No Size (mm)	Cutting Depth (mm)	Type	Suitable Arbor	Suitable Drill	Suitable Blade
WATMHE13C	13	7	complete unit	WATMHA1	WATMHD648	WATMHE13B
WATMHE16C	16	7	complete unit	WATMHA1	WATMHD648	WATMHE16B
WATMHE20C	20	7	complete unit	WATMHA1	WATMHD648	WATMHE20B
WATMHE22C	22	7	complete unit	WATMHA1	WATMHD648	WATMHE22B
WATMHE23C	23	7	complete unit	WATMHA1	WATMHD648	WATMHE23B
WATMHE25C	25	7	complete unit	WATMHA2	WATMHD648	WATMHE25B
WATMHE29C	29	7	complete unit	WATMHA2	WATMHD648	WATMHE29B
WATMHE32C	32	7	complete unit	WATMHA2	WATMHD648	WATMHE32B
WATMHE40C	40	7	complete unit	WATMHA3	WATMHD648	WATMHE40B
WATMHE44C	44	7	complete unit	WATMHA3	WATMHD648	WATMHE44B
WATMHE50C	50	7	complete unit	WATMHA4	WATMHD648	WATMHE50B
WATMHE64C	64	7	complete unit	WATMHA5	WATMHD648	WATMHE64B
WATMHE76C	76	7	complete unit	WATMHA5	WATMHD648	WATMHE76B
WATMHE89C	89	7	complete unit	WATMHA5	WATMHD648	WATMHE89B
WATMHE100C	100	7	complete unit	WATMHA5	WATMHD648	WATMHE100B

## 10 Piece High Speed Steel Bi-Metal Holesaws Kit

- Ten piece high speed bi-metal holesaw kit
- Variable pitch teeth and longer cutting life
- One touch system
- Ideal for cutting metal, aluminum, hardwood and PVC
- Includes a double arbor that is designed to enlarge existing holes

Cat. No.	Kit Contains	
	Cat. No.	Description
WATR9593M	WATR510	16mm Bi-Metal Holesaw
	WATR513	20mm Bi-Metal Holesaw
	WATR516	25mm Bi-Metal Holesaw
	WATR520	32mm Bi-Metal Holesaw
	WATR525	40mm Bi-Metal Holesaw
	WATR532	51mm Bi-Metal Holesaw
	WATR5514	14-30mm Arbor
	WATR5545	32-152mm Arbor
	WATR5511	Arbor Adaptor
	WATR5515	14-150mm Double Arbor



CAT. NO: WATR9593M

## Wood Bits

### High Speed Steel Wood Bits

- Glass shot finish with cutting groove
- Hexagonal shank for electric drills
- Used for drilling large holes
- For use with power drill only
- Made from high quality molybdenum steel

Cat. No.	Diameter	Overall Length
WATHSWB10	10.0 mm	170 mm
WATHSWB16	16.0 mm	170 mm
WATHSWB20	20.0 mm	170 mm
WATHSWB22	22.0 mm	170 mm
WATHSWB25	25.0 mm	170 mm
WATHSWB32	32.0 mm	170 mm
WATHSWBE	-	310 mm



### High Speed Steel Wood Bit Kit

- 11 piece wood bit set
- Hexagonal shank for electric drills
- Made from high quality molybdenum steel
- Set includes 6, 10, 12, 16, 20, 22, 25, 32 and 40mm wood bits
- Supplied with 150mm extension bit and 2.5mm hex key wrench
- Packed in a convenient plastic case

Cat. No.	Kit Contains	
	Cat. No.	Description
WATHSWBKIT	-	6 mm wood bit
	WATHSWB10	10 mm wood bit
	-	12 mm wood bit
	WATHSWB16	16 mm wood bit
	WATHSWB20	20 mm wood bit
	WATHSWB22	22 mm wood bit
	WATHSWB25	25 mm wood bit
	WATHSWB32	32 mm wood bit
	-	40 mm wood bit
	-	150mm wood bit extension
	-	2.5mm hex key wrench



CAT. NO: WATHSWBKIT

# Cable Pulling

Pulling wire and working with conduit is incredibly challenging without the proper tools. Wattmaster's complete line of cable pulling tools allows you to get the job done while saving time, effort, and materials.



For Professionals...  
Since 1857™

### 'Econo Slide' Cable Pulling Lubricant

- Low cost and economical
- Easy to use and clean up; non-staining
- High performance, slow-drying, water based lubricant
- Compatible with a wide range of cable jacket materials
- Good friction reducing properties
- Non-toxic; washes off with water

Cat. No.	Size	Weight
WATECOSL	1 Litre Bottle	1.0 kg



CAT. NO: WATECOSL

## Snakes & Pull Throughs

### 30m PVC Cable Snake

- Twist, kink and cut resistant
- Triple strands of polyester with coiled spring leader
- Lightweight, non-conducting electrician's PVC snake
- High tensile strength and abrasion resistance
- Runs easily through more bends due to unique design
- Stored in convenient tubular holder (WATMWC-50L)

Cat. No.	Length	Diameter	Weight	Safe Working Load	Breaking Strength
WATMW6030LPH	30 m	6.0 mm <sup>2</sup>	2.0 kg	500 KGF	800 KGF



CAT. NO: WATMW6030LPH

### Glow-in-the-Dark Pull Through

- Phosphorus based plastic line
- Glow in the dark cable pull through glows longer and brighter
- Highly visible in dark areas e.g. under roofs and floors
- Saves time and allows for quicker wire installation
- Great for one person installations
- Slotted at each end
- Recharge by exposing to an ultra violet source e.g. sunlight or fluorescent light

Cat. No.	Length
WATGLOKING	3.6 m



CAT. NO: WATGLOKING

## The Ferret Pull Through

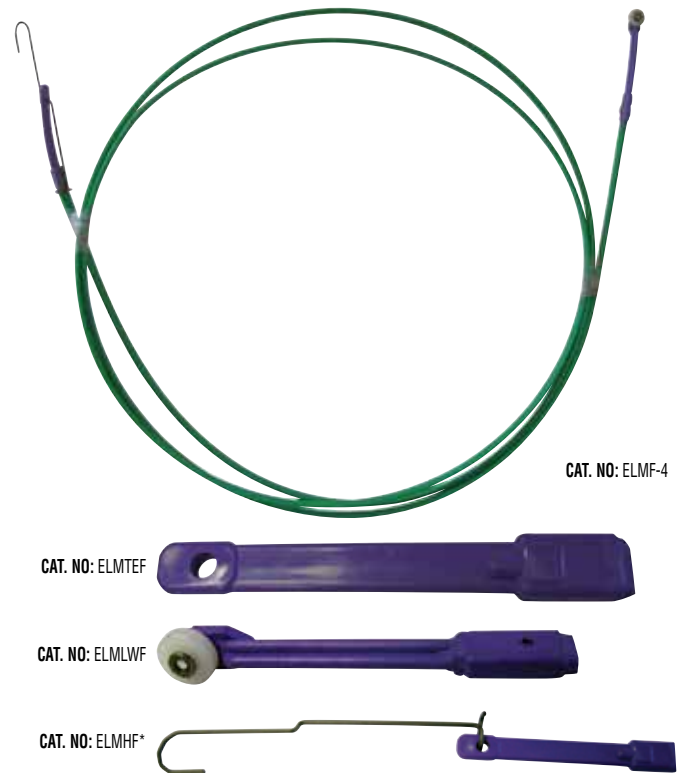
- New hi-tech fibreglass rod pull through
- Easy to uncoil and stays straight
- Makes wiring quick and easy
- Runs cables in wall cavities and confined ceiling spaces
- Aids in electrical wiring of data cables, antenna cables, phone wiring etc.
- Allows for one person operation
- Comes complete with tail end, leader wheel and hook
- All accessories are suitable for 4m and 8m Ferret pull through
- Cable can be tied to end of tail end to start pulling cable
- Leader wheel rolls over obstacles e.g. wall cavities
- Hook can be attached to tail end to start pulling cable

Cat. No.	Description	Length	Recommended Hole Size
ELMF-4	4m Ferret™	4 m	20 mm
ELMF-8	8m Ferret™	4 m	20 mm

### Accessories

Cat. No.	Description
ELMTEF	Spare Tail End for Ferret Pull Through
ELMLWF	Spare Leader Wheel for Ferret Pull Through
ELMHF*	Spare Hook for Ferret Pull Through

**Note: tail end and hook sold separately**



## Cable Drum Handling

### Electrician's Cable Stand

- Easy to assemble and load
- No lifting large rolls as it does the hard work for you
- Single and multiple rolls can be used simultaneously
- Compact storage
- Heavy duty construction
- Universal

Cat. No.	Load Capacity	Max. diameter cable drum	Max. width cable drum	Total Width	Height off the ground
WATCST	3.6 m	365 mm <sup>2</sup>	770 mm	770 mm	370 mm







# Electrical & Specialty Tape

Wattmaster range of electrical and specialty tapes come in a wide variety of colours and sizes to meet your day to day requirements.

For Professionals...  
Since 1857™

## Electrical Tape

### PVC Electrical Insulation Tape

CAT. NO: WATPVCRP

- For superior insulation of electrical cables
- Self-adhesive tape for bundling cables and wires
- Safe and easy to use
- Highly flexible low temperature tape
- Rainbow pack contains 3 x black, 2 x blue, 2 x red, 2 x white and 1 x yellow/green

Temperature range: -10°C to +80°C



Cat. No.	Colour	Tape Image	Thickness (mm)	Width (mm)	Length (m)	Weight (G)
WATPVCBLALT	Black		0.18	18	20	10
WATPVCBLULT	Blue		0.18	18	20	10
WATPVCBRLT	Brown		0.18	18	20	10
WATPVCGLT	Grey		0.18	18	20	10
WATPVCGYLT	Yellow/Green		0.18	18	20	10
WATPVCOLT	Orange		0.18	18	20	10
WATPVCRLT	Red		0.18	18	20	10
WATPVCWLT	White		0.18	18	20	10
WATPVCRP	Rainbow Pack		0.18	18	20	720

## Caution Tape

### 100m Underground Marking Tape

- Bright non-adhesive PVC underground identification tape
- Printed "CAUTION-ELECTRICAL CABLE BELOW"
- Acts as a warning for dangerous situations and great for trench identification
- Eye catching large letters printed on non-adhesive tape
- Bright orange reflective tape for vibrant daytime visibility
- Orange colour
- Manufactured to AS 2648 1:1995



Cat. No.	Width	Length	Weight
WATUMT100	150 mm	100 m	2.0 kg

CAT. NO: WATUMT100

## 500m Underground Marking Tape

- Bright non-adhesive PVC underground identification tape
- Printed "CAUTION-ELECTRICAL CABLE BELOW"
- Acts as a warning for dangerous situations and great for trench identification
- Eye catching large letters printed on non-adhesive tape
- Bright orange reflective tape for vibrant daytime visibility
- Orange colour
- Manufactured to AS 2648 1:1995



CAT. NO: WATPVCUMT

Cat. No.	Width	Length	Weight
WATPVCUMT	150 mm	500 m	5.0 kg

## 250m Underground Detectable Marking Tape

- Non-adhesive PVC tape with wire tracer
- Acts as a warning for dangerous situations and ideal for trench identification
- Printed "WARNING COMMUNICATION CABLE BELOW"
- Eye catching large letters
- White colour
- Standards-AS/NZS 2648 PART 1 1995  
4275 PART 0 1995



CAT. NO: WATUMTW250

Cat. No.	Width	Length	Weight
WATUMTW250	150 mm	250 m	4.0 kg

## 500m Underground Marking Tape

- Non-adhesive PVC tape without wire tracer
- Acts as a warning for dangerous situations and ideal for trench identification
- Printed "CAUTION COMMUNICATIONS CABLE BELOW"
- Eye catching large letters
- White colour
- Manufactured to AS 2648 1:1995



CAT. NO: WATUMTW500

Cat. No.	Width	Length	Weight
WATUMTW500	150 mm	500 m	5.0 kg

# Everyday Electrical Needs

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Wattmaster range of everyday needs allows you to get the job done whilst saving time & effort

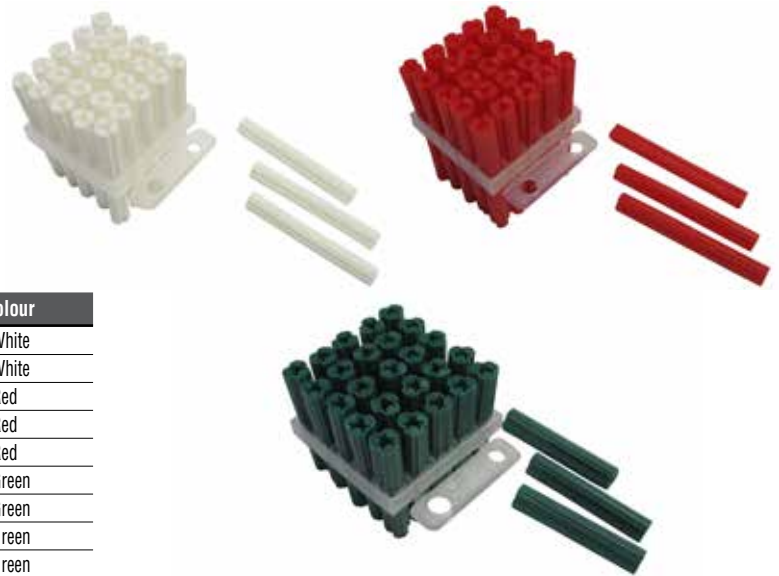
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Everyday Consumables

**Wall Plugs**

- Strong screw retention wall plugs
- Handy drill and screw size check
- For best results, use recommended drill and screw sizes
- Now with tapered head (chamfer end)
- Sold in box quantities only
- 25 pieces included per frame



Cat. No.	Screw size	Drill size	Length	Box Qty	Colour
WATP25W	4-6	5	25	500	White
WATP38W	4-6	5	38	500	White
WATP25R	8-9	6	25	500	Red
WATP38R	8-9	6	38	500	Red
WATP50R	8-9	6	50	250	Red
WATP25G	10-12	7	25	500	Green
WATP32G	10-12	7	32	500	Green
WATP38G	10-12	7	38	500	Green
WATP50G	10-12	7	50	250	Green

**Commercial Wall Clock**

- Taiwanese quartz movement with glass mineral lens
- Plastic bands and dial
- White with black numerals
- Batteries not included

Cat. No.	Model	Type of indication	Housing shape	Colour housing	Face Diameter	Total Diameter
WATCL8400	Quartz clock, battery operated	Analogue	Round	White	264mm	295mm



CAT. NO: WATCL8400

**Jack Chain**

- Galvanized steel
- WATJCB & WATJCDLB can be dispensed through lid
- Remainder can be stored in the container
- Do not double up



CAT. NO: WATJCB

CAT. NO: WATJCDLB

CAT. NO: WATJCB3

Cat. No.	Model	Chain Diameter	Length	Safe Working Load	Material	Surface Treatment	Package Type	Weight
WATJCB	Single link	2.5 mm	30 m	7.0 kg	Steel	Galvanized	Bucket	3.5 kg
WATJCDLB	Double link	2.0 mm	30 m	9.0 kg	Steel	Galvanized	Bucket	3.0 kg
WATJCB3	Single link	3.15 mm	30 m	10.0 kg	Steel	Galvanized	Box	5.5 kg

## Catenary Wire & Accessories

### Catenary Wire

- Heavily galvanized catenary wire
- Zinc coated
- AS 1394
- Composed of centric layers of wire
- Corrosion resistant
- Indoor use only for WATCW6112, WATCW7125D & WATCW180D



CAT. NO: WATCW6112



CAT. NO: WATCW7125D



CAT. NO: WATCW180D



CAT. NO: WATCW180DPVC

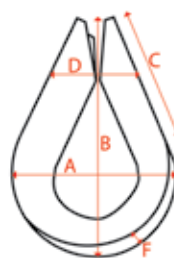
Cat. No.	Number of strand and size	Diameter	Breaking load	Length	Material	Surface Treatment	Package Type	Weight
WATCW6112	6 x 1.12 mm	3.0 mm	2300 N	30m	Steel	Galvanized zinc coated	Roll	1.64 kg
WATCW7125D	7 x 1.25mm	3.5 mm	3400 N	100m	Steel	Galvanized zinc coated	Drum	6.48 kg
WATCW180D	7 x 0.90mm	2.7 mm	1670 N	180m	Steel	Galvanized zinc coated	Drum	6.64 kg
WATCW180DPVC	7 x 0.90mm	3.3 mm	1670 N	180m	PVC coated steel	Galvanized zinc coated	Drum	8.0 kg

### Thimbles for Catenary Wire

- Prevents kinking of catenary wire
- Helps guide cable into curving shape
- Provides protection against

**Surface treatment:** Galvanized zinc coated

**Material:** Mild Steel



CAT. NO: WATTH5

Cat. No.	Size	Bracket Notch Width		Bracket Height		Straight Length		Width At Join		Depth		Qty
		Dim A	Dim B	Dim C	Dim D	Dim E	Dim F					
WATTH5	5 mm	25 mm	38 mm	25 mm	12 mm	9 mm	50					
WATTH6	6 mm	27 mm	48 mm	30 mm	14 mm	9 mm	50					
WATTH8	8 mm	32 mm	53 mm	30 mm	16 mm	10 mm	50					
WATTH10	10 mm	40 mm	60 mm	38 mm	19 mm	12 mm	50					

### Turnbuckles for Catenary Wire

- Used to adjust the tension of catenary wire
- Ideal for applications where high level of tension is required
- Can be sold individually

**Surface treatment:** Galvanized zinc coated

**Material:** Mild Steel



CAT. NO: WATTB5

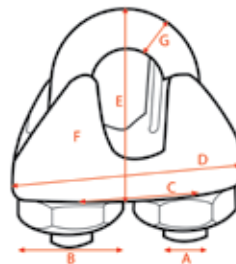
Cat. No.	Size	Pendant Length	Bracket Notch Width		Breaking Strength	Qty
			Dim A			
WATTB5	5 mm	120-170 mm	7 mm		130 kg	20
WATTB6	6 mm	145-220 mm	8 mm		350 kg	10
WATTB8	8 mm	195-280 mm	12 mm		650 kg	10
WATTB10	10 mm	240-340 mm	16 mm		800 kg	10
WATTB12	12 mm	300-460 mm	18 mm		1000 kg	10

### Wire Rope Grips for Catenary Wire

- Used for gripping the ends of catenary wire together
- Can be sold individually

**Surface treatment:** Galvanized zinc coated

**Material:** Mild Steel



CAT. NO: WATWRG5

Cat. No.	Bracket Notch Width	Nut Width Across Angle	U-Bolt Centre To Centre	Bracket Width	Bracket To U-Bolt Height	Bracket Height	Qty
	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	
WATWRG5	5 mm	12 mm	15 mm	27 mm	20 mm	12 mm	100
WATWRG6	6 mm	13 mm	16 mm	32 mm	30 mm	13 mm	100
WATWRG8	8 mm	14 mm	17 mm	35 mm	32 mm	16 mm	100
WATWRG10	10 mm	15 mm	22 mm	39 mm	37 mm	20 mm	100
WATWRG12	12 mm	20 mm	28 mm	50 mm	60 mm	23 mm	100



# Workplace Safety

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Workplace safety and hygiene is now more important and prevalent than ever before. Wattmaster's new range aims to provide hygienic solutions to all your site and office needs.

For Professionals...  
Since 1857™





### Hand Sanitiser Pump Bottle

- Antibacterial hand sanitiser
- Kills 99.9% of germs without use of water
- 500mL Pump Bottle
- 70% Ethanol



CAT. NO: WATHANDSAN

Cat. No.	Size	Weight
WATHANDSAN	500 ml	0.450 kg

Disclaimer: Not recommended for use in hospital grade environments.

### Sanitising Wipes

- Antibacterial sanitising wipes
- Kills 99.9% of germs
- 75% Alcohol
- 15cm x 20cm large wipes



CAT. NO: WATSANWIPES

Cat. No.	Size	Weight
WATSANWIPES	50 pack	0.300 kg

Disclaimer: Not recommended for use in hospital grade environments.

### Sanitising Wipes

- Hospital grade
- Disinfectant Bactericidal Wipes
- 70% Isopropyl Alcohol
- 42cm x 14cm wipe size
- Resealable cannister



CAT. NO: WATFW-S101

Cat. No.	Size	Weight
WATFW-S101	75 wipes per cannister	0.450 kg

# Rollacase Storage

The worlds market & technology leader of vehicle & mobile storage systems. Provides innovative and flexible product's that are lightweight, engineered designed and tested to meet the day to day needs of any tradesperson.



For Professionals...  
Since 1857™

### Small Parts Box

- 20 adjustable compartments
- 1 tool compartment in front of case
- Corrosion proof
- Lid opens 180 degrees
- Sturdy locking system
- Divided goods will not interchange when shaken
- Unique lid design keeps storage locked in place
- Movable handle

Cat. No.	Dimensions	Case Colour	Lid Colour
WATRC001	W 370mm x D 370mm x H 85mm	Orange	Orange



CAT. NO: WATRC001

### Small Parts Box

- 1 large compartment
- 1 tool compartment
- Corrosion proof
- Lid opens 180 degrees
- Sturdy locking system
- Divided goods will not interchange when shaken
- Unique lid design keeps storage locked in place
- Movable handle

Cat. No.	Dimensions	Case Colour	Lid Colour
WATRC002	W 370mm x D 370mm x H 85mm	Blue	Blue



CAT. NO: WATRC002

### Large Parts Box

- Small parts box with lift out tray
- 1 large tool compartment
- Plus a 3 compartment lift out tray, with further compartments below
- Corrosion proof
- Lid opens 180 degrees
- Sturdy locking system
- Divided goods will not interchange when shaken
- Unique lid design keeps storage locked in place
- Adjustable compartments
- Various configurations
- Movable handle

Cat. No.	Dimensions	Case Colour	Lid Colour
WATRC003	W 370mm x D 370mm x H 130mm	Orange	Orange



CAT. NO: WATRC003

## Warning Symbols

	Safety alert symbol: Indicates a hazard.		Do NOT use to pry.		It is important that users of these products read, understand, and follow all instructions, cautions, and warnings that are attached to and/or packed with the product.
	Always ensure that you and the persons in the vicinity wear approved eye protection.		Do NOT use to chisel.		Strong magnetic field.
	NOT insulated. Plastic-dipped or slip-on plastic handles are NOT intended for protection against electrical shock.		Do NOT extend handle length.		Wear approved hand protection.
	Never use on or near live electrical circuits.		Do NOT use to push or hammer.		Use a safe work position to avoid loss of balance.

## Test and Measurement

- ⚠️ WARNINGS:**
- To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.
  - Before each use, verify meter operation by measuring a known voltage or current.
  - Never use a meter on a circuit with voltages that exceed the category based rating of the meter.
  - Do not use the meter during electrical storms or in wet weather.
  - Do not use the meter or test leads if they appear to be damaged.
  - Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
  - Never assume neutral or ground wires are de-energized. Neutrals in multi-wire branch circuits may be energized when disconnected and must be retested before handling.
  - Do not open the meter to replace batteries while the probes are connected.
  - Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
  - To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
  - Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
  - Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.

## Non-Contact Voltage Tester (Additional Warnings)

- ⚠️ WARNINGS:**
- Use caution with voltages above 30V AC as a shock hazard may exist.
  - A single blinking LED or a steady glowing LED and an audible beep indicate voltage present. If no indication, voltage could still be present.
  - Before and after each use, verify operation by testing a known working circuit that is within the rating of this unit.
  - The tester **WILL NOT** detect voltage if:
    - The wire is shielded.
    - The operator is not grounded or is otherwise isolated from an effective earth ground.
    - The voltage is DC.
  - The tester **MAY NOT** detect voltage if:
    - The user is not holding the tester.
    - The user is insulated from the tester with a glove or other materials.
    - The wire is partially buried or in a grounded metal conduit.
    - The tester is at a distance from the voltage source.
    - The field created by the voltage source is being blocked, dampened, or otherwise interfered with.
    - The frequency of the voltage is not a perfect sine wave between 50 and 500Hz.
    - The tester is outside of operation conditions (listed in Specifications section).
  - Operation may be affected by differences in socket design and insulation thickness and type.
  - In bright light conditions, the LED visual indicators will be less visible.
  - Do not use if "power on" LED is not illuminated.
  - Do not use if tester appears damaged or is not operating properly. If in doubt, replace the tester.
  - Do not apply more than the rated voltage as marked on the tester (1000V).
  - Detection above 12V is specified under "normal" conditions as specified below. The tester may detect at a different threshold at different conditions, or may not detect at all unless:
    - The tip of the tester is within 0.25" of an AC voltage source radiating unimpeded.
    - The user is holding the body of the tester with his or her bare hand.
    - The user is standing on or connected to earth ground.
    - The air humidity is nominal (50% relative humidity – non-condensing).
    - The tester is held still.
  - Always wear approved eye protection.
  - Comply with local and national safety requirements.
  - If this product is used in a manner not specified by the manufacturer, protection provided by the product may be affected.
  - Do not attempt to repair this tester. It contains no serviceable parts.
  - Do not expose the product to extremes in temperature or high humidity.

## Insulated Tools



- ⚠️ WARNING:** Only use tools that are marked with the official international 1000-volt rating symbol shown below, if there is any chance that the tools will make contact with an energized source.
- ⚠️ WARNING:** Wear approved eye protection. Always inspect your tools before use. Do not use if orange coating cracks, breaks or becomes damaged. Destroy tool if white layer shows through orange layer.
- ⚠️ WARNING:** Do NOT touch uninsulated portion of the tool or any conductive object when either might contact an energized source.
- ⚠️ WARNING:** Whenever possible, always de-energize lines and equipment prior to working on or around them. Klein insulated tools are designed only to reduce the chance of injury where the tool may make contact with an energized source.
- ⚠️ WARNING:** Because moisture, films, or other surface contaminants are conductive, Klein insulated tools must be kept clean, dry, and free of any surface contaminants.

## Infrared Thermometer

- ⚠️ CAUTION:** Reflective materials may be hotter than indicated. Laser radiation-do NOT stare into beam. Class 2 laser product.

## Wire Pulling Grips

- ⚠️ WARNING:** Grips are to be used for temporary installation, not for permanent anchorage.
- ⚠️ WARNING:** When used on/or near energized lines, ground, insulate, or isolate grip before pulling.
- ⚠️ WARNING:** Do not exceed rated capacity.
- ⚠️ WARNING:** Always match proper size and type of grip to application.
- ⚠️ WARNING:** Before each use, clean jaw area and inspect grip for proper operation to avoid slippage.

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