



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Utility Catalog Supplement

2014 Edition



**KLEIN
TOOLS**



For Professionals... Since 1857®



Mathias Klein

In 1857 when Mathias Klein first set up shop in Chicago's bustling downtown business district, the "communications industry" amounted to nothing more than a few bare wires hung on lean telegraph poles. As America expanded and the utilities industry grew, Klein Tools established a reputation for manufacturing high quality tools to help linemen do their jobs.



Original Klein® Grip,
patented in 1892



Over 150 years later, Klein Tools is still owned and managed by the Klein family. The company remains dedicated to making the best hand tools in the industry.

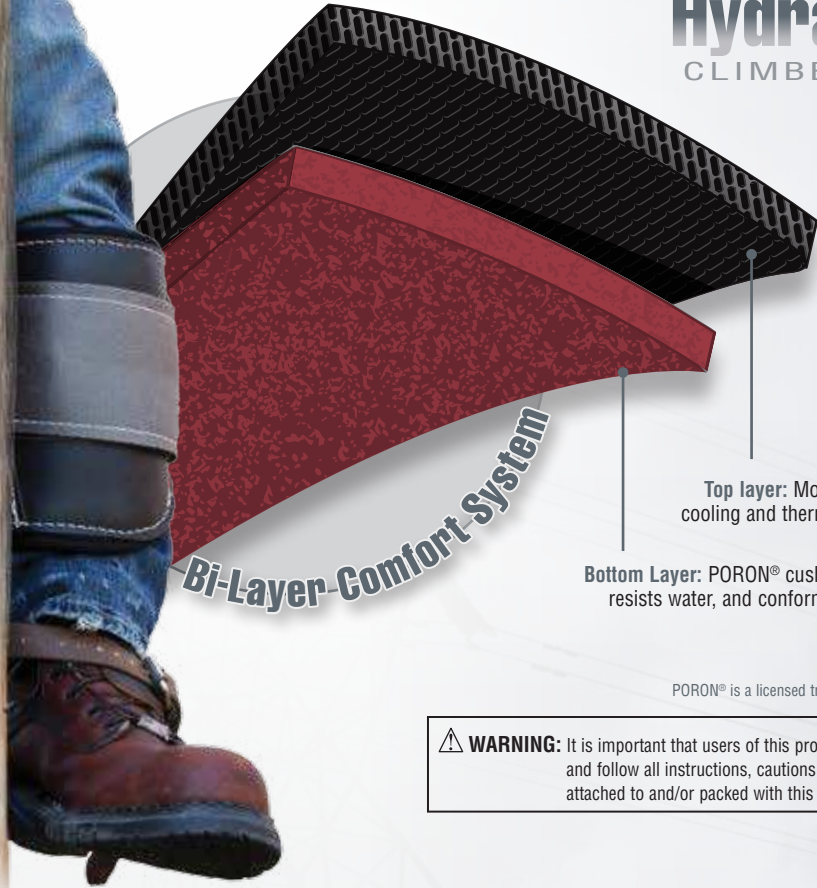


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Features:

Hydra-Cool™ CLIMBER PADS



Bi-Layer-Comfort System

Top layer: Moisture-wicking with both cooling and thermal insulating properties

Bottom Layer: PORON® cushioning, absorbs impact, resists water, and conforms to the leg for comfort

PORON® is a licensed trademark of Rogers Corporation.

⚠ WARNING: It is important that users of this product read, understand, and follow all instructions, cautions and warnings that are attached to and/or packed with this product.

Hydra-Cool™ Climber Pads with Metal Inserts

- Exclusive bi-layer padding for superior comfort and support
- Protective polyurethane-coated leather resists weathering, water absorption, and cracking
- Strap closure with VELCRO® brand fasteners
- One size fits most, sold in pairs



Includes metal inserts

2214

Cat. No.	Description
2214	Hydra-Cool™ climber pads – sold in pairs only

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

Hydra-Cool™ Pole Climber System

System Features:

- Exclusive Hydra-Cool™ climber pads for superior comfort and support
- Klein Claw Climbers with gaffs and ankle straps
- Strap closure with VELCRO® brand fasteners
- One size fits most

Cat. No.	Description
221486	Hydra-Cool™ pole climber system
221407	Hydra-Cool™ tree climber system
2214ARS	Klein Claw climbers, gaffs & ankle straps

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



2214ARS

221486

View the complete line @ www.kleintools.com

Hydra-Cool™ Climber System



ACSR Ratcheting Cable Cutters

- Cutting inserts are easily replaced by simply removing 3 screws per blade
- Tool can be locked when not in use
- High-leverage ratcheting mechanism for easier cutting
- Plastic covered handles with hand guards for comfort and firm grip
- At a length of just under 14" tool can be carried in a tool pouch (Cat. No. 63800ACSR)

ACSR Cable Cutter
(63607)



Cleanly cuts 336 MCM Linnet ACSR and 2/0 triplex steel messenger cable.



63607

Max. Cable Capacity: 336 MCM ACSR, 600 MCM Aluminum, 400 MCM Copper



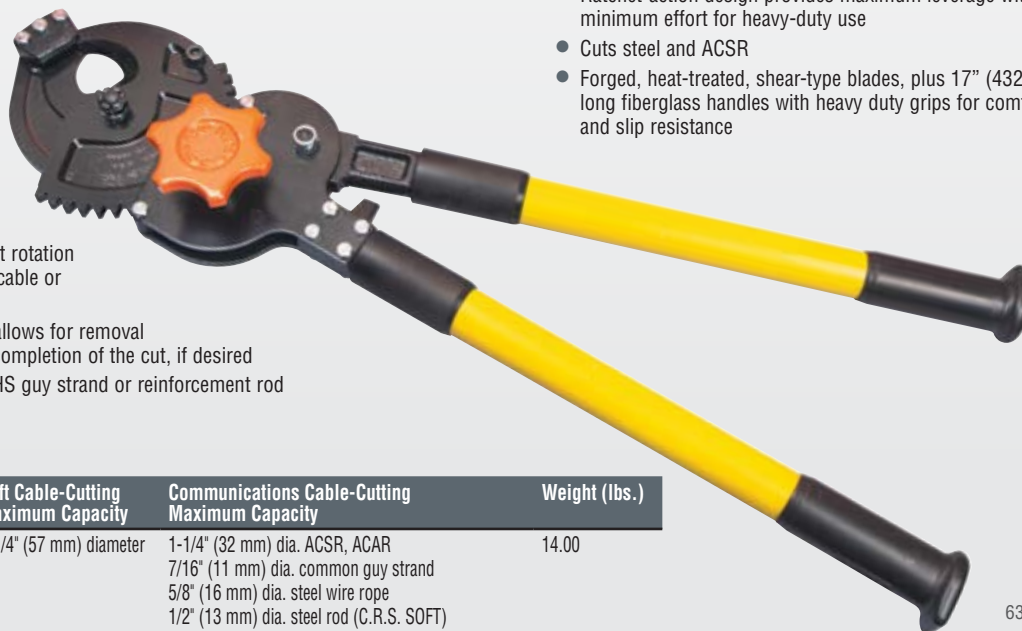
63800ACSR

Max. Cable Capacity: 477 MCM ACSR, 1000 MCM Aluminum, 600 MCM Copper, 1/2" Guy Strand

MCM Maximum Cable Capacity

Cat. No.	ACSR	Stranded Aluminum	Copper	Guy Strand	Length	Handle Color	Weight (lbs.)
63607	336 MCM (170 mm ²)	600 MCM (300 mm ²)	400 MCM (185 mm ²)	—	10-1/4" (260 mm)	yellow	1.50
63800ACSR	477 MCM (273 mm ²)	1000 MCM (500 mm ²)	600 MCM (300 mm ²)	1/2" (13 mm)	13-3/4" (349 mm)	red	3.20
Replacement Cutting Inserts (with set of 6 screws)			Fits Klein Cat. No.				
63858			63800ACSR				

Ratcheting Cutter — Heavy-Duty



- 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

- Ratchet-action design provides maximum leverage with minimum effort for heavy-duty use
- Cuts steel and ACSR
- Forged, heat-treated, shear-type blades, plus 17" (432mm) long fiberglass handles with heavy duty grips for comfort and slip resistance

Cat. No.	Overall Length	Soft Cable-Cutting Maximum Capacity	Communications Cable-Cutting Maximum Capacity	Weight (lbs.)
63700	28" (711 mm)	2-1/4" (57 mm) diameter	1-1/4" (32 mm) dia. ACSR, ACAR 7/16" (11 mm) dia. common guy strand 5/8" (16 mm) dia. steel wire rope 1/2" (13 mm) dia. steel rod (C.R.S. SOFT) 750 MCM (1-3/8" dia.) (35 mm) copper or aluminum	14.00

63700

Ratcheting Cable Cutters

- High-leverage ratchet mechanism for single-handed cutting of copper and aluminum cables, leaving no burrs or sharp edges
- Patented two-step ratchet mechanism requires fewer strokes per cut
- Quick release lever opens blades easily in every cutting position, allowing removal of the cable before completion of cut
- Precision ratcheting mechanism holds cable tight and allows rapid, straight cuts with minimum effort
- Hardened steel cutting blades for lasting strength and sharpness
- Plastic covered handles with hand guards for comfort and firm grip
- Locking lever keeps handles closed for easy transport; fits in a toolbox or bag
- One-year warranty



63060



63711



63750

WARNING: Do NOT use to cut steel or ACSR.

Cat. No.	MCM Maximum Cable Capacity			Overall Length	Handle Color	Weight (lbs.)
	Copper	Aluminum	Communication Cable			
63060	400 MCM (185 mm ²)	600 MCM (300 mm ²)	1-1/8" (28 mm)	10-1/4" (260 mm)	red	1.32
63711	600 MCM (300 mm ²)	750 MCM (400 mm ²)	1-1/8" (28 mm)	11-1/2" (292 mm)	red	2.00
63750	1000 MCM (500 mm ²) Frequent Use: 750 MCM (400 mm ²)	1000 MCM (500 mm ²) Frequent Use: 750 MCM (400 mm ²)	2-1/16" (52 mm)	12-1/8" (308 mm)	red	1.76

Standard Cable Cutters

- Lightweight, yet efficient shear-type cable cutters
- Replaceable hook-jaw blades grab and hold cable while shear-cutting action makes clean cuts
- Exceptionally strong fiberglass handles with heavy vinyl grips for comfort and slip resistance
- Heavy-duty pins in head serve as blade-stops
- Jaws are forged tool steel with black-oxide finish for long life
- Beveled tips assure positive mating, and hinge on a rugged bolt with a pin-set nut to maintain proper blade tension
- Makes a clean, even cut for ease in fitting lugs and terminals
- Includes rubber sleeves (Cat. No. 63041TH)



WARNING: Do NOT use to cut steel or ACSR.

63041TH

Cat. No.	Overall Length	Soft Cable-Cutting Maximum Capacity	MCM Cable-Cutting Maximum Capacity	Weight (lbs.)
63041TH	25-1/2" (648 mm)	1-3/8" (35 mm) diameter	500 copper, 750 aluminum	5.25
63045	32" (813 mm)	1-3/4" (44 mm) diameter	1000 copper, 1200 aluminum	8.00
63047	37" (940 mm)	up to 2-1/4" (57 mm) diameter	900-pair soft copper and aluminum	8.55
Replacement Cable Cutter Heads (complete)			Fits Klein Cat. No.	
63081			63041	2.05
63090			63045	3.30
63110			63047	3.50

Features:

Custom, US-made tool steel

“Handform” handles for full gripping and cutting power

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



Plastic-dipped handles* for comfort and ease of identification

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

*Journeyman pliers available. State-of-the-art, dual-material handles, which provide a better grip without sacrificing tool strength or durability.

High-Leverage Side-Cutting Pliers – Heavy-Duty Cutting

2000 SERIES®

- Cuts ACSR, screws, nails and most hardened wire
- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Features combination polished and black-oxide finish



D2000-9NE

Cat. No.	Nose Type	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Finish	Handle Color	Weight (lbs.)
D2000-9NE	New England	9-3/8" (238 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	plastic-dipped	royal blue	1.09
HD2000-9NE	New England	9-1/2" (241 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	heavy-duty, oversized, plastic-dipped	light red	1.15

Journeyman™ 2000 Series – Dual-material handles

J2000-9NE	New England	9-1/2" (241 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	Journeyman	light blue/black	1.13
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High-Leverage Side-Cutting Pliers

- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs
- Streamlined design with sure-gripping, cross-hatched knurled jaws



D213-9NE

Cat. No.	Nose Type	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Finish	Handle Color	Weight (lbs.)
D213-9NE	New England	9-3/8" (238 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	plastic-dipped	dark blue	1.14

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

- Hinge opening holds and cleans 5/8" 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 plier designs
- Streamlined design with rounded nose and sure-gripping, cross-hatched knurled jaw



D213-9NETH

Cat. No.	Nose Type	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Knife Length	Handle Finish	Handle Color	Weight (lbs.)
D213-9NETH	New England	9-3/8" (238 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	plastic-dipped	dark blue	1.12
HD213-9NETH	New England	9-1/2" (241 mm)	1-19/32" (41 mm)	1-1/4" (32 mm)	5/8" (16 mm)	25/32" (20 mm)	heavy-duty, oversized, plastic-dipped	light red	1.18

Lineman's Ratcheting Wrenches

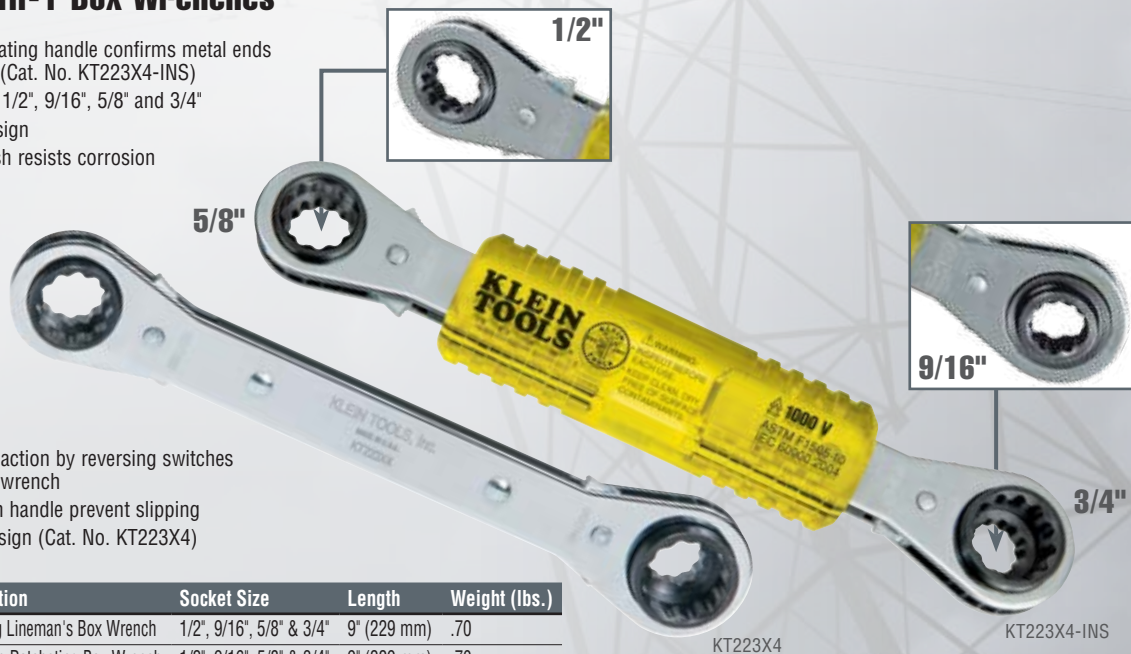
- Bolt-through design allows bolts to pass through the socket
- 3/4" and 1" x 1-1/8" combination square socket for most common utility hardware
- Bright yellow socket for easy visibility
- Works on most common utility pole hardware, such as lag bolts, "C" clamps and suspension bolts
- KT155T and KT155HD also offer two popular wrench sizes: 9/16" and 3/4"
- Heavy duty design (KT155HD)

Cat. No.	Description	Length	Weight (lbs.)
KT151T	Ratcheting Lineman's Wrench	13" (330 mm)	2.12
KT155HD	Ratcheting Lineman's Wrench – Heavy Duty	12" (305 mm)	2.10
KT155T	5-in-1 Lineman's Wrench	9-3/8" (238 mm)	1.42



Lineman's 4-in-1 Box Wrenches

- "See-through" insulating handle confirms metal ends are not connected (Cat. No. KT223X4-INS)
- 4 sizes in one tool: 1/2", 9/16", 5/8" and 3/4"
- 12-point socket design
- Chrome plated finish resists corrosion



- Reverse ratcheting action by reversing switches on each end of the wrench
- Textured grooves in handle prevent slipping
- Solid, one piece design (Cat. No. KT223X4)

Cat. No.	Description	Socket Size	Length	Weight (lbs.)
KT223X4-INS	Insulating Lineman's Box Wrench	1/2", 9/16", 5/8" & 3/4"	9" (229 mm)	.70
KT223X4	Lineman's Ratcheting Box Wrench	1/2", 9/16", 5/8" & 3/4"	9" (229 mm)	.70

View the complete line @ www.kleintools.com

Double-Ended Impact Socket – Distribution | Transmission

- NRHD Distribution socket sizes: 3/4", 1", and 1-1/8"
- NRHD2 Transmission socket sizes: 1-1/8", 1-5/16", and 1-1/2"
- 7/16" hex quick-change adapter included
- Fine-tuned ball detent provides improved retention, minimizing drops
- Long hollow shaft allows use on long threaded bolts

Cat. No.	Description	Length	Weight (lbs.)
NRHD	Impact Socket - Distribution	7-3/4" (197 mm)	2.0
NRHD2	Impact Socket - Transmission	11" (279 mm)	3.25



Impact Socket Adapters

- 7/16" hex quick-change adapter
- Fine-tuned ball detent provides improved retention, minimizing drops
- Do not exceed 200 ft. lbs of torque

Cat. No.	Description	Length	Weight (oz.)
NRHDA	Distribution Socket Adapter	7/16"	5.8
NHRDA2	Transmission Socket Adapter	7/16"	10.9



Lineman's Double-Face Hammer



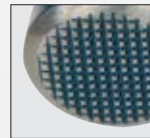
- Designed for pole-line work
- Rugged and well-balanced, with the weight to drive lag bolts
- Forged, tempered-steel head is only 3-3/4" (95 mm) long for use in tight areas
- Identical faces with 1-3/4" (44 mm) round-crown driving surface and beveled edges



both sides

Cat. No.	Head Weight	Overall Length	Weight (lbs.)
809-36	36 oz. (1021 g)	14" (356 mm)	2.50

Lineman's Milled-Face Hammer



side 1



side 2

- One milled face for driving staples used in pole-line work and common, unhardened nails
- Other face is smooth for driving heavier duty hardware
- Rugged and well-balanced, with the weight to drive lag bolts
- Forged, tempered-steel head is only 3-3/4" (95 mm) long for use in tight areas

Cat. No.	Head Weight	Overall Length	Weight (lbs.)
809-36MF	36 oz. (1021 g)	14" (356 mm)	2.50

Lightweight Lockback Knives

- Blades are AUS 8 stainless steel hardened to 58-59 Rc
- Premium quality blade offers superior edge holding
- Cat. Nos. 44005R & 44005RC have a rounded tip for safety
- Impact-resistant nylon resin handle with rubber insert (Cat. Nos. 44005, 44005R, 44005RC)
- Slim and comfortable silver anodized-aluminum handle for corrosion-resistance (Cat. No. 44006)
- Reversible thumb stud provides easy one-handed opening

Cat. No.	Blade Tip Style	Length Closed	Weight (oz.)
Sheepfoot Blade - Blade Length 2-5/8" (67 mm)			
44005	Pointed	4-1/8" (105 mm)	2.5
44005R	Rounded	4-1/8" (105 mm)	2.5
44005RC*	Rounded	4-1/8" (105 mm)	2.5
44006*	Pointed	3-1/2" (89 mm)	1.3

*Includes a pocket/belt clip



44005



44005R



44005RC*



44006*

Cable/Lineman's Skinning Knives



1570-3

- Three-inch steel blade withstands frequent scoring and slitting of cable jacket
- Blade and ring are securely molded in handle
- 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
- Leather sheath available, Cat. No. 5163

Cat. No.	Description	Handle Color	Length Less Ring	Weight (lbs.)
1570-3	hook blade, notch, and ring	black	8" (203 mm)	.30

Klein Kurve® Skinning Knife



1580-3

- Two-inch blade for increased control when scoring and slitting cable jacket
- Comfortable textured handle with finger grooves and guard
- Oversized ring for strength and easy storage
- Notch on blade back for scraping or removing wire insulation

Cat. No.	Description	Handle Color	Length Less Ring	Weight (lbs.)
1580-3	hook blade, notch, and ring	black	8" (203 mm)	.28



Features:

Rope handle reinforced with leather for water resistance and strength.

High-density polyethylene top ring for strength and chemical resistance.

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



The "No" refers to the canvas weight. No. 1 being the thickest and No. 10 being the thinnest.

WARNING:

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

Leather-Bottom Buckets

Additional Features:

- Load Rated 100 lbs
- No. 1 canvas
- Leather reinforced bottom
- Rope handle
- Leather cuff extends 3" (76 mm) up the side
- Inside pocket measures 8" (203 mm)



5104VT



5104

Cat. No.	Diameter	Height	Extra Features	Weight (lbs.)
5104	12" (305 mm)	17" (432 mm)		2.71
5104S	12" (305 mm)	17" (432 mm)	swivel snap (Cat. No. 2012)	2.93
5104VT	12" (305 mm)	17" (432 mm)	VELCRO® closure	3.0

Straight-Wall Buckets

Additional Features:

- No. 6 canvas
- Black molded polypropylene bottom
- Rope handle



5106

Cat. No.	Diameter	Height	Extra Features	Weight (lbs.)
5106	9" (229 mm)	14" (356 mm)	N/A	1.51
5106P	9" (229 mm)	14" (356 mm)	two 7" (178 mm) inside pockets	1.62
5106S	9" (229 mm)	14" (356 mm)	swivel snap (Cat. No. 2012)	1.80

Wide Opening Straight-Wall Buckets

Additional Features:

- Load Rated 75 lbs
- No. 6 canvas
- Black molded polypropylene bottom
- Web handle extends down the sides of the bucket for added strength



5109PS

Cat. No.	Diameter	Height	Extra Features	Weight (lbs.)
5109	12" (305 mm)	15" (381 mm)	N/A	2.06
5109P	12" (305 mm)	15" (381 mm)	one 8" (203 mm) inside pocket	2.12
5109S	12" (305 mm)	15" (381 mm)	swivel snap (Cat. No. 2012)	2.35
5109PS	12" (305 mm)	15" (381 mm)	one 8" (203 mm) inside pocket swivel snap (Cat. No. 2012)	2.40

Vinyl Bucket Top

- Top cover for canvas bucket designed to keep the elements out and tools securely inside
- Compatible with Klein Tools 5104 and 5109 series buckets
- Attaches with VELCRO®
- Includes safety strap loop to ensure connection to bucket
- Bucket not included

Cat. No.	Diameter	Height	Weight (lbs)
51TOP	12.5" (318 mm)	3.5" (89 mm)	.4

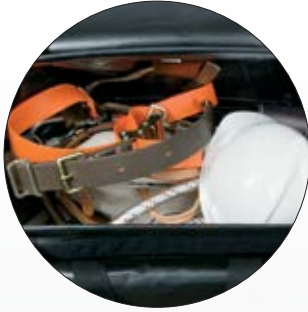
VELCRO® is a registered trademark of Velcro Industries B.V.



51TOP

Vinyl Equipment Bags

- Wide bag opening easily accommodates helmets and other equipment
- Two large, outside pockets with Velcro® fastening (Cat. No. 5182BLA)
- Durable, double-stitched plastic bottom
- Webbing extends down side of bag from handles and shoulder strap for extra support & durability
- Right-sized rain flap with Velcro® fastening
- Adjustable, padded shoulder strap included



5182BLA

5181ORA

Cat. No.	Exterior Pockets	Shoulder Strap	Color	Length	Height	Width	Weight (lbs)
5182BLA	2	Yes	black	24" (610 mm)	20" (508 mm)	10" (254 mm)	7.00
5181ORA	1	Yes	orange	24" (610 mm)	20" (508 mm)	10" (254 mm)	7.00

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

Aerial Aprons

- Includes: ten hand tool pockets, two pouches, hammer loop and two drill bit holders (Cat. Nos. 51829, 51829M)
- Two pouches reinforced with heavy duty rivets
- Hot stick pocket (Cat. No. 51829MHS)
- Cat. No. 5144H hooks sold separately



51829M, 51829MHS

Sewn-in magnet conveniently holds nuts, bolts and other small metal objects



51829

51829MHS



5144H
Aerial Basket Hook

Cat. No.	Pockets	Magnet	Color	Width	Height	Weight (lbs.)
51829	18	No	orange	24" (609 mm)	23" (584 mm)	4
51829M	18	Yes	orange	24" (609 mm)	23" (584 mm)	4
51829MHS	16	Yes	orange	32" (813 mm)	27.5" (699 mm)	4

Tradesman Pro™ Organizer – Backpack

- Taller bag and interior pockets allow for long screwdrivers
- Front zipper pocket for small parts and tools
- 39 pockets for tons of tool storage
- Tough, durable molded bottom protects from the elements
- Hard, molded front pocket protects safety glasses
- 1680D ballistic weave for durability

Cat. No.	Length	Width	Height	Interior Pockets	Exterior Pockets	Weight (lbs.)
55421BP-14	14" (356 mm)	7" (178 mm)	20" (508 mm)	34	5	5.34



Hard, molded front pocket protects safety glasses



Front zipper pocket for small parts and tools



55421BP-14

Tradesman Pro™ Organizer – Tech Backpack

- Separate compartment keeps laptop protected from other tools
- Storage for adapters and cables
- Organizer pocket for pens, phone, cables, and more
- 25 pockets for tons of tool storage
- Tough, durable molded bottom protects from the elements
- Hard, molded front pocket protects safety glasses
- 1680D ballistic weave for durability

Cat. No.	Length	Width	Height	Pockets	Weight (lbs.)
55456BPL	14" (356 mm)	7" (178 mm)	18.25" (464 mm)	25	6.41



Orange interior to find tools faster



55456BPL

Lineman Backpack

- Wide opening easily accommodates helmets, belts, and other equipment
- Large front pocket for separate storage of gaffs, rubber gloves or other equipment
- Durable, double stitched plastic bottom with drain holes
- Rain flap for top of pack
- Adjustable padded shoulder straps with adjustable waist strap
- Padded back area

Cat. No.	Length	Width	Height	Interior Pockets	Exterior Pockets	Weight (lbs.)
51850RA	18" (457mm)	10" (254 mm)	23" (584 mm)	1	3	5.80



51850RA



Web Strap Ratchet Hoist

- Large, non-conductive drum knob allows web slack to be adjusted with ease
- 360° handle rotation
- 3/4 ton single line and 1-1/2 ton double line load rating
- Tight ratcheting mechanism allows precise tensioning
- Meets ANSI/ASME B30.21-2005 & B30.10-2009 standards

Cat. No.	Pull Type	Weight (lbs.)
KN1500P-EX	Single/ Double	12.5



Single Line

Load Rating: 1500 lbs. (675 kg)
Min. to Max. Pulling Distance: 20" - 138" (500 - 3500 mm)



Double Line

Load Rating: 3000 lbs. (1350 kg)
Min. to Max. Pulling Distance: 26" - 79" (700 - 2000 mm)

**360°
rotation**



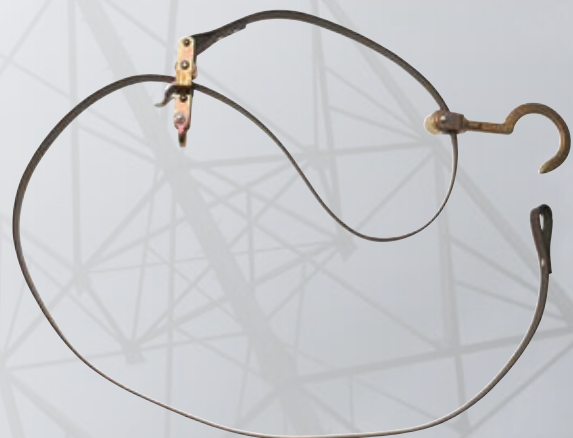
KN1500P-EX

Howe Wire Tool

- Strap is made of tough Klein-Kord®
- Swivel hook is forged steel with large opening
- Shank of hook is lengthened to reach under insulator
- Other end has device to hold the load at any distance
- All metal parts are galvanized
- Max. safe load 500 lbs. (225 kg)

Cat. No.	Description	Weight (lbs.)
1702-20N	nylon strap 1" (25 mm) wide, 7' (2 m) long	1.95

⚠ WARNING: These are NOT occupational protective devices.
 DO NOT use for human support.



1702-20N

Quality

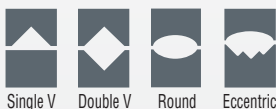
Trust the quality and reliability of Klein Grips. All authentic Klein Grips are manufactured, inspected and tested in the USA, in company owned plants by American workers. From the custom drop-forged quality steel to machining and heat treating, to pulling rated load and final inspection, Klein Grips are designed to help linemen get their jobs done.



Drop-forged,
quality US steel

Heat treated for strength
and durability

Several jaw contours
available for a wide
variety of cables



Single V Double V Round Eccentric



MADE IN USA

Reliability

Before leaving our manufacturing plant, each and every authentic Klein Grip is individually hand inspected and actuated for proper function. Grips are rigorously tested using the Magnflux method and pulled to rated load to ensure the highest quality and reliability for which Klein Tools is known.

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 3' (about 1 meter) length of cable.

Klein Tools has been manufacturing grips for over 135 years. All Klein Grips are manufactured, and tested in the USA.

If there is ever a question about the safe condition of any grip, please contact Klein Tools Customer Service at 847.821.5500 or 800.553.4676.

Wide Range Grip

- Lightweight compact parallel jaw grip pulls an exceptionally wide range of cable types and sizes
- Large-diameter eye accommodates large hooks on hoists, winches and tackle blocks
- The KT4650 features a round serrated jaw
- #6 copper to 477 stranded AAC/ACSR

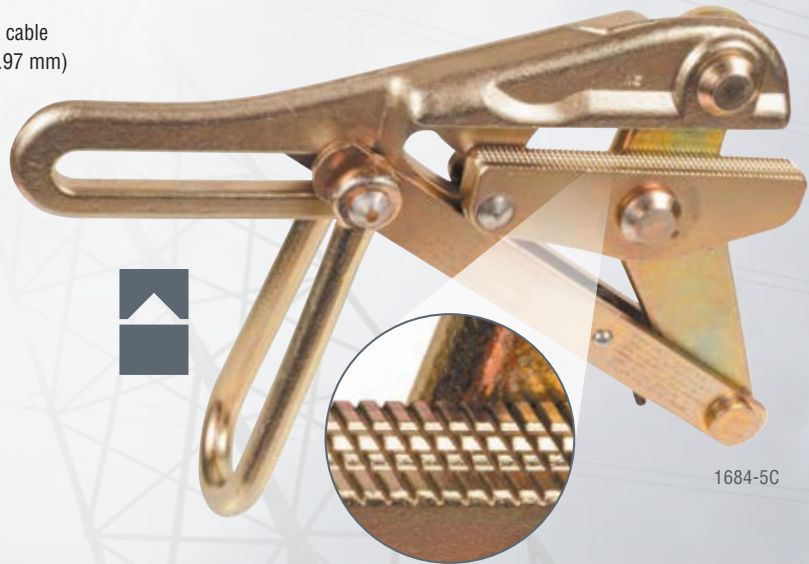


KT4650

Cat. No.	Min. to Max. Cable Diameter	Maximum Safe Load	Hot Latch	Spring	Locking Handle	Jaw Length	Approx. Weight
KT4650	.160" - .900" (4.00 - 23.0 mm)	5,000 Lbs. (2,268 kg)	—	●	—	4-1/2" (114 mm)	4.90 lbs. (2.22 kg)

Coated Guy Wire Chicago® Grip

- Eccentric jaw penetrates coatings for extra gripping power
- 4-3/4" jaw length for increased surface area in contact with cable
- Designed for cable sizes from .16" (4.06 mm) to 0.55" (13.97 mm)



1684-5C

Cat. No.	Min. to Max. Cable Diameter	Maximum Safe Load	Hot Latch	Spring	Locking Handle	Jaw Length	Approx. Weight
1684-5C	.160" - .550" (4.06 - 13.97 mm)	8,000 Lbs. (3,629 kg)	—	●	—	5" (127 mm)	6.25 lbs. (2.84 kg)

⚠ 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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