



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



2016

CONTRACTOR RESOURCE

ESSENTIAL PRODUCTS FOR CONTRACTORS

Insulated Tools

Safety Equipment

Power Tool Accessories

Holemaking

Cable & Bolt Cutters

Work @ Height Pliers

Test & Measurement

Wire Pulling & Conduit Tools

Torque Wrenches / Screwdrivers



**KLEIN
TOOLS** 
For Professionals... Since 1857™

These days, it can be hard to find companies that make products you can count on.

But that's exactly what you'll get from Klein Tools. We don't just make great products, we make great products that stand up to the demands of the professionals who use them every day. Because our standards are as high as yours, we demand that every product we offer delivers all the performance, durability and precision that you need to get the job done right.

And by using only the highest quality materials, superior workmanship, and keeping our manufacturing as close to home as we can, we're able uphold those rigorous standards.

Klein isn't just the name of our company, it's also our family name, so we have to be proud of everything we make. And since we're an American company that's been family-owned and family-run, since 1857, you know you can count on us to be here tomorrow.

So buy a Klein tool and you'll know what all the professionals know...when you pick up a Klein, it'll never let you down.



That's why we're the #1 choice of Professional Electricians in the US.

KLEIN TOOLS
EST. 1857
For Professionals... Since 1857™

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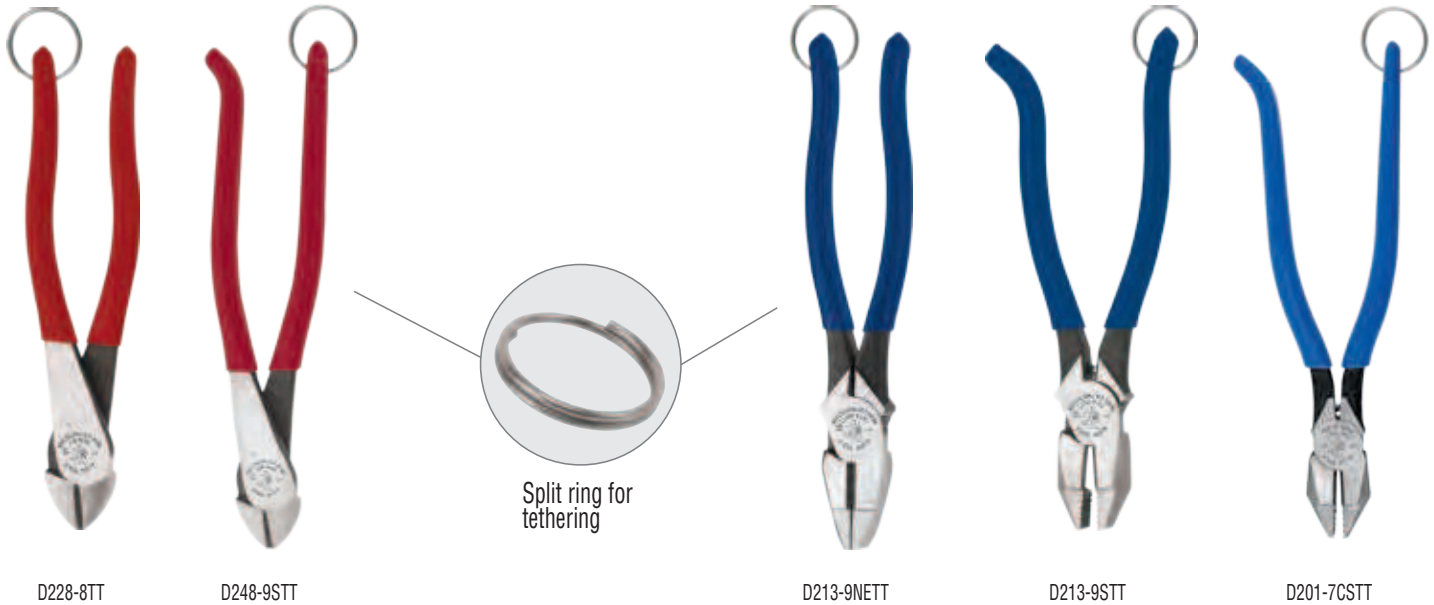


Pliers with Tether Ring



Pliers with Tether Ring

- High-leverage designs. Rivet is closer to the cutting edge for greater cutting power than other plier designs.
- Angled head design of the diagonal-cutting pliers allow for easy work in confined spaces.
- Side-cutting pliers feature a streamlined design with sure-gripping, cross-hatched knurled jaws.
- Cat. No. D248-9STT, D213-9STT and D201-7CSTT feature a hook-bend in the handle for added grip and leverage.
- Unique handle tempering helps absorb the “snap” when cutting wire.



Cat. No.	Nose Type	Jaw Length	Jaw Thickness	Jaw Width	Knife Length	Overall Length
High-Leverage Diagonal-Cutting Pliers						
D228-8TT	—	13/16" (21 mm)	7/16" (11 mm)	1-3/16" (30 mm)	—	8-1/16" (205 mm)
D248-9STT	—	13/16" (21 mm)	7/16" (11 mm)	1-3/16" (30 mm)	—	9-3/16" (233 mm)
High-Leverage Side-Cutting Pliers						
D213-9NETT	New England	1-19/32" (41 mm)	5/8" (16 mm)	1-1/4" (32 mm)	25/32" (20 mm)	9-3/8" (238 mm)
D213-9STT	Square	1-9/32" (33 mm)	5/8" (16 mm)	1-1/4" (32 mm)	25/32" (20 mm)	9-1/8" (232 mm)
D201-7CSTT	Square	1-9/32" (33 mm)	1/2" (13 mm)	1-5/32" (29 mm)	5/8" (16 mm)	9-1/4" (235 mm)

Fish Tapes, Lubricants and Accessories



Multi-Groove Fiberglass Fish Tapes

**Fiberglass Performance
at 25% Lower Cost!***



- Rigidity for long distance.
- Less surface contact when pushing through crowded conduit.

Fish Tapes & Foam Wire Pulling Lubricant

Cat. No.	Length	Width	Height	Reel Diameter	Weight (lbs./kg)
Multi-Groove Fiberglass – 7" Spiral Leader					
56055	100' (30 m)	3/16" (7" leader)	–	13" (330 mm)	3.03 lbs. (1.37 kg)
56056	200' (61 m)	3/16" (7" leader)	–	17" (432 mm)	6.16 lbs. (2.79 kg)
Multi-Groove Fiberglass – Non-Conductive					
56057	50' (15 m)	3/16"	–	13" (330 mm)	2.33 lbs. (1.05 kg)
56058	100' (30 m)	3/16"	–	13" (330 mm)	3.05 lbs. (1.38 kg)
56059	200' (61 m)	3/16"	–	17" (432 mm)	6.04 lbs. (2.74 kg)
Laser Etched – Stainless Steel for Corrosion Resistance					
56007	125' (38 m)	1/8" (3 mm)	.062" (1.5 mm)	13" (330 mm)	4.7 lbs. (2.13 kg)
56008	240' (73 m)	1/8" (3 mm)	.062" (1.5 mm)	13" (330 mm)	7.5 lbs. (3.40 kg)
Laser Etched – Flat Steel					
56000	25' (7 m)	1/8" (3 mm)	.045" (1.1 mm)	7" (178 mm)	1.0 lbs. (0.45 kg)
56001	50' (15 m)	1/8" (3 mm)	.045" (1.1 mm)	7" (178 mm)	1.3 lbs. (0.59 kg)
56002	65' (19 m)	1/8" (3 mm)	.062" (1.5 mm)	9" (229 mm)	2.6 lbs. (1.18 kg)
56003	125' (38 m)	1/8" (3 mm)	.062" (1.5 mm)	13" (330 mm)	4.7 lbs. (2.13 kg)
56004	240' (73 m)	1/8" (3 mm)	.062" (1.5 mm)	13" (330 mm)	7.5 lbs. (3.40 kg)
56005	25' (7 m)	1/4" (6.3 mm)	.030" (.7 mm)	7" (178 mm)	1.1 lbs. (0.50 kg)
56006	100' (30 m)	1/4" (6.3 mm)	.062" (1.5 mm)	13" (330 mm)	6.8 lbs. (3.08 kg)
Spiral Steel					
56013	50' (15 m)	3/16" (4.8 mm)	–	13" (330 mm)	5.1 lbs. (2.31 kg)
Replacement Steel Tapes					
56065	65' (19 m)	1/8" (3 mm)	.062" (1.5 mm)	–	1.7 lbs. (0.77 kg)
56125	125' (38 m)	1/8" (3 mm)	.062" (1.5 mm)	–	3.3 lbs. (1.50 kg)
56240	240' (73 m)	1/8" (3 mm)	.062" (1.5 mm)	–	6.1 lbs. (2.77 kg)

Cat. No.	Length	Size Description	Weight (lbs./kg)
Poly Pull Line			
56108	500' (152 m)	1-qt. container with orange tracer 210 lbs. average breaking strength	1 lbs. (0.45 kg)
56110	6500' (1981 m)	5 gal. bucket with orange tracer 210 lbs. average breaking strength	11 lbs. (4.9 kg)
Foam Wire Pulling Lubricant			
51100	–	Foam Wire Pulling Lubricant	19 oz (0.54 kg)

Multi-Groove Fiberglass



7" Spiral Leader



Non-Conductive

eyelot tip offers added protection against shock from energized sources.

Stainless / Flat Steel



Laser Etched Markings

in 1 foot increments allow you to more accurately measure the depth of conduit runs and determine the amount of tape left to pay out.

**When compared to the published price of Klein Tools fiberglass fish tapes.*



51100



Greater Yield than gels/waxes*

- Apply directly into the conduit. No need to pre-coat wires.
- No mess formula stays where it is applied, even in vertical conduit!
- Dissolves clean from hands and clothing.



⚠ WARNING: Do not use wet product on live circuits. Compound is electrically conductive before it dries.

⚠ WARNING: Contents under pressure. Do not expose container to direct sunlight or temperatures above 120°F. Do not transport or store near heat sources. Keep cans dry and away from sources of ignition. If frozen, gradually warm to room temperature.

*One can equals one gallon or four quarts of wax/gel lubricants. Based on job site pulls with foam in 3/4" conduit when used as directed.

Conduit Benders, Fish Rods and Accessories



All fish and glow rods feature our exclusive Splinter Guard™ protection from painful fiberglass splinters



Fish Rods



Glow Rods



Cat. No.	Description	Set Contains	Overall Length	Diameter	Weight (lbs./kg)
Fish Rods					
56304	4' Lo-Flex Fish Rod	N/A	4' (1.2 m)	1/4" (6.4 mm)	0.3 lbs. (0.14 kg)
56306	6' Lo-Flex Fish Rod	N/A	6' (1.8 m)	1/4" (6.4 mm)	0.4 lbs. (0.18 kg)
56312	12' Lo-Flex Fish Rod Set	(3) 1/4" diameter 4' fish rods with bullet nose and hook attachments	12' (3.7 m)	1/4" (6.4 mm)	1.05 lbs. (0.48 kg)
56324	24' Lo-Flex Fish Rod Set	(4) 1/4" diameter 6' fish rods with bullet nose and hook attachments	24' (7.3 m)	1/4" (6.4 mm)	1.85 lbs. (0.84 kg)
56325	25' Fish and Glow Rod Set	(5) 1/4" diameter 4' fish rods, (1) 3/16" diameter 5' glow rod with bullet nose and hook attachments	25' (7.6 m)	1/4" and 3/16" (6.4 and 5 mm)	1.8 lbs. (0.82 kg)
Glow Rods					
56405	5' Mid-Flex Glow Rod	N/A	5' (1.5 m)	3/16" (5 mm)	0.2 lbs. (0.09 kg)
56406	6' Hi-Flex Glow Rod	N/A	6' (1.8 m)	5/32" (3 mm)	0.2 lbs. (0.09 kg)
56409	9' Mid-Flex Glow Rod Set	(6) 3/16" diameter 18" glow rods with bullet nose and hook attachments	9' (2.7 m)	3/16" (5 mm)	0.55 lbs. (0.25 kg)
56415	15' Mid-Flex Glow Rod Set	(3) 3/16" diameter 5' glow rods with bullet nose and hook attachments	15' (4.6 m)	3/16" (5 mm)	0.85 lbs. (0.39 kg)
56418	18' Hi-Flex Glow Rod Set	(3) 5/32" diameter 6' glow rods with bullet nose and hook attachments	18' (5.5 m)	5/32" (3 mm)	0.85 lbs. (0.39 kg)

Deluxe Fish Rod Kit



Cat. No.	Description	Overall Length	Weight (lbs./kg)
56326	(2) 1/4" Dia. 6' and (2) 1/4 Dia. 4' Lo-Flex Fish Rods, (3) 3/16" Dia 5' Mid-Flex Glow Rods, (3) 5/32" Dia 6' Hi-Flex Glow Rods, (1) hook and (1) bullet nose, and custom zippered carrying case	75" (1,905 mm)	3.75 lbs. (1.7 kg)

Illuminated Fish Rod Tip



Cat. No.	Description:	Weight (oz./g)
56119	bright white omni-directional long life LED light for maximum visibility in dark spaces	5.0 oz. (142 g)

Conduit Benders

- Bold cast-in symbols, degree scales, multiplier scales and center of bend marks help save time on the job.
- The traditional Benfield® head design accurately and consistently performs common bends such as Stub Ups, Offsets, Back-to-Back and Saddle Bends.



Cat. No.	Description	Thinwall/EMT	Rigid/IMC	Weight (lbs./kg)
56206	assembled aluminum conduit bender with #51427 handle	1/2" (13 mm)	-	4.4 lbs. (2.00 kg)
56207	assembled aluminum conduit bender with #51427 handle	3/4" (19 mm)	1/2" (13 mm)	5.4 lbs. (2.45 kg)
56208	iron conduit bender head	1/2" (13 mm)	-	2.1 lbs. (0.95 kg)
56209	iron conduit bender head	3/4" (19 mm)	1/2" (13 mm)	3.2 lbs. (1.45 kg)
56210	iron conduit bender head	1" (25 mm)	3/4" (19 mm)	5.5 lbs. (2.49 kg)
56211	iron conduit bender head	1- 1/4" (32 mm)	1" (25 mm)	16.9 lbs. (7.67 kg)
56203	assembled iron conduit bender w/#51427 handle	1/2" (13 mm)	-	5.5 lbs. (2.49 kg)
56204	assembled iron conduit bender w/#51427 handle	3/4" (19 mm)	1/2" (13 mm)	6.6 lbs. (2.99 kg)
56205	assembled iron conduit bender w/#51428 handle	1" (25 mm)	3/4" (19 mm)	11.6 lbs. (5.26 kg)
51427	conduit bender handle - 38" L, 3/4" NPT tap size fits 1/2" and 3/4" bender heads #56208 and #56209	N/A	N/A	3.5 lbs. (1.6 kg)
51428	conduit bender handle - 44" L, 1" NPT tap size fits 1" bender head for #56210	N/A	N/A	6.0 lbs. (2.7 kg)
51429	conduit bender handle - 54" L, 1-1/4" NPT tap size fits 1-1/4" bender head for #56211	N/A	N/A	8.9 lbs. (4.0 kg)

SUPER ROD® SERIES

Low Voltage Wire Pulling

NEW!

NEW!



WIRESPANNER™ plus—Telescopic Pole

- Easily retrieve cable from a distance without needing an extra pair of hands.
- Quick easy extension with friction-twist lock design.
- Stays locked in place and will not spin loose or collapse.
- Padded shoulder strap included.

Cat. No.	Description
SRS56036	WIRESPANNER™plus - Telescopic Pole 18' (5.5 m)



SRS56036

Magnetic Wire Pulling System

- Route cables in enclosed spaces – through wall, floor and ceiling voids by yourself.
- Innovative leader-pull design can navigate many obstructions.
- Swivel leader eyelet securely connects to most wires and mesh wire pulling grips.
- Non-marring nylon leader-pull with 20' (6 m) of heavy-duty nylon rope.
- Convenient spool and protective storage tube.

Turn a two person job into a one person job.



SRS56037

Cat. No.	Description
SRS56037	Magnetic Wire Pulling System

Polymer Fish Rod Set with Glow-in-the-Dark Leaders – 4.7'

- Non-conductive rods are great for short runs or retrieving crowded cables in electrically sensitive areas such as server panels.
- Four 14" rods of varying flexibility and reflectivity for a variety of individual (or 56" combined) applications.
- Includes five glow-in-the-dark leaders.



SRS56038

Cat. No.	Description
SRS56038	Polymer Fish Rod Set with Glow-in-the-Dark Leaders – 4.7' (1.4 m)



Hook Bullet Mini-Eyelet Domed-Eyelet Claw

Holemaking

NEW!

Fast, superior cutting and longer lasting performance at a great value!

Bi-Metal Hole Saws

- Optimized for cutting steel, including stainless steel.
- Cuts precise holes in stainless steel and mild steel, drywall, ceiling tile, laminates, wood and plastic.
- Longest lasting, fastest cutting blade on the market.
- Heavy-duty steel construction includes 5 mil back plate to withstand abuse.
- Hex-shaped base for easy removal from arbor.



Cat. No.	Saw Diameter	Pipe Tap Size*	Pipe Entrance Size**	For use with Arbor No.	Weight (lbs./kg)
31914	7/8" (22 mm)	3/4" (19 mm)	1/2" (13 mm)	31905	.06 lbs. (.03 kg)
31918	1-1/8" (29 mm)	1" (25 mm)	3/4" (19 mm)		.08 lbs. (.09 kg)
31922	1-3/8" (35 mm)	-	1" (25 mm)	31905 or 31906	.12 lbs. (.05 kg)
31928	1-3/4" (44 mm)	1-1/2" (38 mm)	1-1/4" (32 mm)	31906	.12 lbs. (.05 kg)
31932	2" (51 mm)	-	1-1/2" (38 mm)		.13 lbs. (.06 kg)
31940	2-1/2" (64 mm)	-	2" (51 mm)		.17 lbs. (.08 kg)
31944	2-3/4" (70 mm)	-	-		.19 lbs. (.09 kg)
31948	3" (76 mm)	-	2-1/2" (64 mm)		.22 lbs. (.10 kg)
31958	3-5/8" (92 mm)	-	3" (76 mm)		.29 lbs. (.13 kg)
31972	4-1/2" (114 mm)	-	4" (102 mm)		.40 lbs. (.18 kg)
31900	6-3/8" (162 mm)	-	-		2.00 lbs. (.91 kg)

Bi-Metal Hole Saw Kit

31902 8-Piece Kit includes 7/8", 1-1/8", 1-3/8", 1-3/4", 2" and 2-1/2" (22, 29, 35, 44, 51 and 64 mm) arbors and carrying case.

* Pipe Tap Size – The sizes listed provide the necessary information whenever a pipe is to be threaded into tanks, boilers, etc. To secure the best results, the hole should be reamed before tapping with a reamer having a taper of 3/4" per foot.

**Pipe Entrance Size – The sizes listed provide the necessary information for any given pipe size to have sufficient clearance to pass through beams, walls, bulkheads, etc.

Double-Fluted High-Speed Step Drill Bits

High-visibility silver step rings!

- Faster drilling than single flute bits.
- Easy-to-read step rings save time when drilling common holes.
- Fast-starting, non-walking drill tip.
- Thick, extra-long 3/8" hex shank provides a firm, positive grip in the drill and won't spin out.



Cat. No.	Quick Reference	No. of Holes	Increment	Hole Size Range	Weight (lbs./kg)
KTSB01	#1	13	1/32"	1/8" – 1/2" (3 mm – 13 mm)	.05 lbs. (.02 kg)
KTSB03	#3	9	1/16"	1/4" – 3/4" (6 mm – 19 mm)	.15 lbs. (.07 kg)
KTSB11	#11	2	-	7/8" – 1-1/8" (22 mm – 29 mm)	.30 lbs. (.14 kg)
KTSB14	#14	12	1/16"	3/16" – 7/8" (5 mm – 22 mm)	.15 lbs. (.07 kg)
KTSB15	#15	3	-	7/8", 1-1/8", 1-3/8" (22, 29, 35 mm)	.46 lbs. (.21 kg)

Wood Boring Bits with Screw Point

Easier to control and adjust shape on the fly.

- Superior to auger bits.
- Easy-to-sharpen blades.
- Easy-to-replace pilot screw shaft spin out.
- New low-torque design greatly reduces the wrist fatigue from standard auger bits.
- Unique head shape minimizes chatter while drilling versus ordinary paddle bits.



Cat. No.	Hole Size	Shaft Dia.	Hex End	Shaft Length	Weight (lbs./kg)
53932	7/8" (22 mm)	3/8" (9.5 mm)	5/16" (8 mm)	6" (152 mm)	.28 lbs. (.13 kg)
53934	1-1/8" (29 mm)				.36 lbs. (.16 kg)
53936	1-3/8" (35 mm)				.39 lbs. (.18 kg)
53938	Replacement Shaft				.42 lbs. (.19 kg)

Digital Clamp Meters

NEW!



TOUGH METER



True RMS Measurement Technology
(except 3200 series)

Features	CL600	CL700	CL800	CL2500/CL2500*	CL3200/ CL3200N*
Durability					
Drop Protection	6.6 ft. (2 m)	6.6 ft. (2 m)	6.6 ft. (2 m)	3.3 ft. (1 m)	6.6 ft. (2 m)
Ingress Protection	IP40	IP40	IP40	IP42	IP30
Safety	CAT IV 600V	CAT IV 600V	CAT IV 600V	CAT IV 600V	CAT IV 600V
AC Voltage (Volts)	1000V	1000V	1000V	750V	750V
DC Voltage (Volts)	1000V	1000V	1000V	1000V	1000V
AC Current (Amps)	600A	600A	600A	1000A	200A
DC Current (Amps)	—	—	600A	1000A	—
Ohms (Resistance)	60MΩ	60MΩ	60MΩ	60MΩ	40MΩ
AC Millivolts	—	—	—	—	—
DC Millivolts	•	•	•	—	—
True RMS	•	•	•	•	—
Audible Continuity	•	•	•	•	•
Backlight	•	•	•	•	•
Temperature	—	-14° – 1000°F (-26° – 538°C)	-14° – 1000°F (-26° – 538°C)		
Low Impedance	—	•	•	—	•
Non-Contact Voltage Testing	•	•	•	•	•
Auto Ranging	•	•	•	—	•
Range Hold	•	•	•	•	•
Data Hold	•	•	•	•	•
Diode Test	•	•	•	•	—
Capacitance Test	—	6000 μF	6000 μF	6000 μF	—
Frequency / Duty Cycle	—	1Hz – 500 KHz	1Hz – 500 KHz	•	—
Max / Min	•	•	•	•	—
Magnetic Mount	Available as Accessory	Available as Accessory	Available as Accessory	•	•
Worklight	—	—	•	•	•
Auto-Power Off	•	•	•	•	•
Bar Graph	—	—	—	•	•
LCD Display Count	6000	6000	6000	6000	4000

*A NIST certified product is guaranteed to have been specially tested to ensure its accuracy. These certified meters are special order (lead time: 7 business days). NIST certifications are good for one year from the date of calibration. See Warnings & Warranty page for important safety information regarding the test and measurement line.

Digital Multimeters & Infrared Thermometer

NEW!



**True RMS
Measurement
Technology**
(MM700 only)

**TOUGH
METER**



Included with Multimeter:

- Carrying Case
- Test leads with CAT III/CAT IV safety caps
- Alligator clips
- Thermocouple with adapter
- Batteries



Test & Measurement Line Accessories **NEW!**

Replacement Test Lead Sets

- Safety Rating: Category IV 600V and Category III 1000V.
- Screw-on alligator clips attach to wires and other conductors.
- Replacement test leads for meters that have standard, banana-type input jacks.
- Cat. No. 69410 replacement test-lead set for MM600 and MM700.
- Cat. No. 69418 replacement test-lead set for CL600, CL700, CL800.



69418

Cat. No.	Description	Overall Length	Weight (oz./g)
69410	Replacement test lead set - right angle inputs	41" (1,041 mm)	3.2 oz. (91 g)
69418	Replacement test lead set - straight inputs	41" (1,041 mm)	3.4 oz. (96 g)

Magnetic Hanger

- For use with Klein Tools MM600, MM700, CL600, CL700, CL800.
- 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.

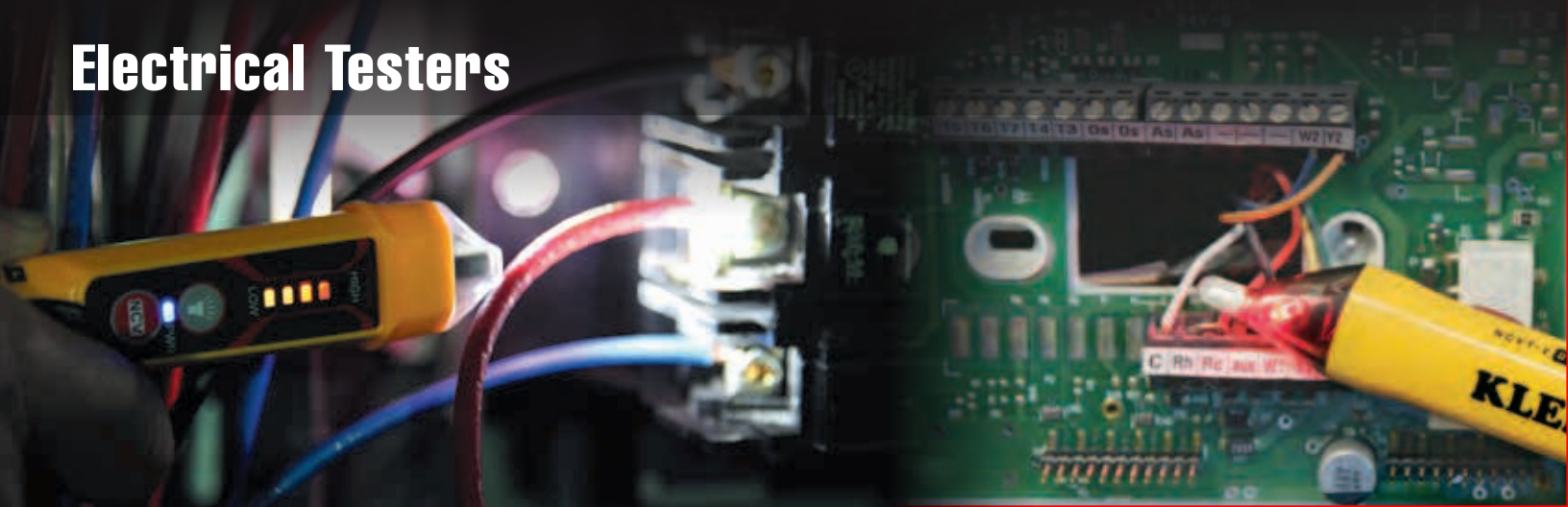


69417

Cat. No.	Description	Weight (oz./g)
69417	Magnetic hanger for electrician's multimeters and select clamps	1.1 oz. (31 g)

Features	MM600	MM700	IR5 Infrared Thermometer
Durability			
Drop Protection	6.6 ft. (2 m)	6.6 ft. (2 m)	6.6 ft. (2 m)
Ingress Protection	IP42	IP42	—
Safety	CAT IV 600V	CAT IV 600V	—
AC Voltage (Volts)	1000V	1000V	—
AC Voltage (Volts)	1000V	1000V	—
AC Current (Amps)	10A	10A	—
DC Current (Amps)	10A	10A	—
Ohms (Resistance)	40MΩ	40MΩ	—
DC Millivolts	•	•	—
AC Milliamps	•	•	—
DC Milliamps	•	•	—
AC Microamps	•	•	—
DC Microamps	•	•	—
True RMS	—	•	—
Audible Continuity	•	•	—
Backlight	•	•	•
Temperature	0° – 1000°F (-18° – 538°C)	0° – 1500°F (-18° – 816°C)	-22° – 752°F / (-30° – 400°C)
Low Impedance	—	•	—
Auto Ranging	•	•	—
Range Hold	•	•	—
Data Hold	•	•	•
Diode Test	•	•	—
Capacitance Test	1000 μF	4000 μF	—
Frequency / Duty Cycle	1Hz – 500 KHz	1Hz – 500 KHz	—
Max / Min	•	•	•
Lead Warning	•	•	—
Bar Graph	—	•	—
Magnetic Mount	Available as Accessory	Available as Accessory	—
Auto-Power Off	•	•	•
Battery Test	—	—	—
LCD Display Count	4000	4000	—

Electrical Testers



Non-Contact Voltage Testers (NCVT-1/NCVT-2)

- Non-contact detection of standard voltage (50-1000V AC) in cables, cords, circuit breakers, lighting fixtures, switches, outlets and wires.
- High intensity, bright green LED and indicates the tester is operational and illuminates the workspace.
- Microprocessor controlled low-battery indicator.
- "AutoPower-Off" feature conserves and extends battery life.
- Lightweight, durable polycarbonate plastic resin construction with a convenient pocket-clip.
- 9.8 ft. (3 m) drop protection.
- CAT IV 1000V safety rating provides expanded operation and protection.
- Does NOT detect DC voltage.

Additional Features for Dual Range NCVT-2

- Automatically detects and indicates low voltage (12 - 48V AC) and standard voltage (50 - 1000V AC)
- Non-contact detection of low-voltage in security, entertainment, communications, environmental control and irrigation systems.



NCVT-1



NCVT-2



Non-Contact Voltage Tester with Flashlight (NCVT-3)

- IP67: Dustproof and waterproof.
- 6.6 ft. (2 m) drop protection.
- CAT IV 1000V safety rating.
- Does NOT detect DC voltage.
- "AutoPower-Off" feature conserves and extends battery life.
- Pocket clip provides easy storage and quick access.
- Non-contact detection of voltage (12 – 1000V AC), with simultaneous visual and audible voltage indicators.
- The visual indicator of the presence of voltage is an LED bar graph – the higher the voltage sensed, or the closer to the voltage source, the more LEDs light up.
- Bright flashlight illuminates work area and may be used independent of voltage detection function.



NCVT-3

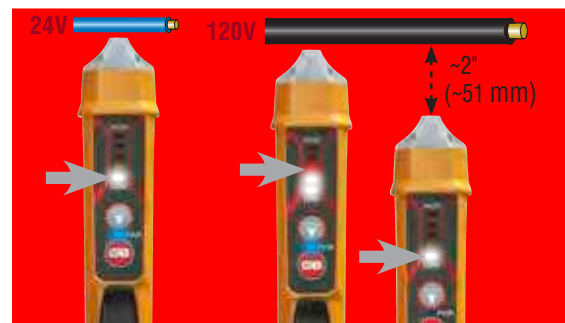


NCVT-2

Voltage Range	12 - 48 V AC (Low) NCVT-2 only	50 - 1000 V AC (Standard)
Audible	low-pitched pulsing beeping sound	high-pitched continuous beeping sound
Visual	blue LED turns off and red LED blinks (approximately 2x per second)	green LED turns off and red LED illuminates continuously

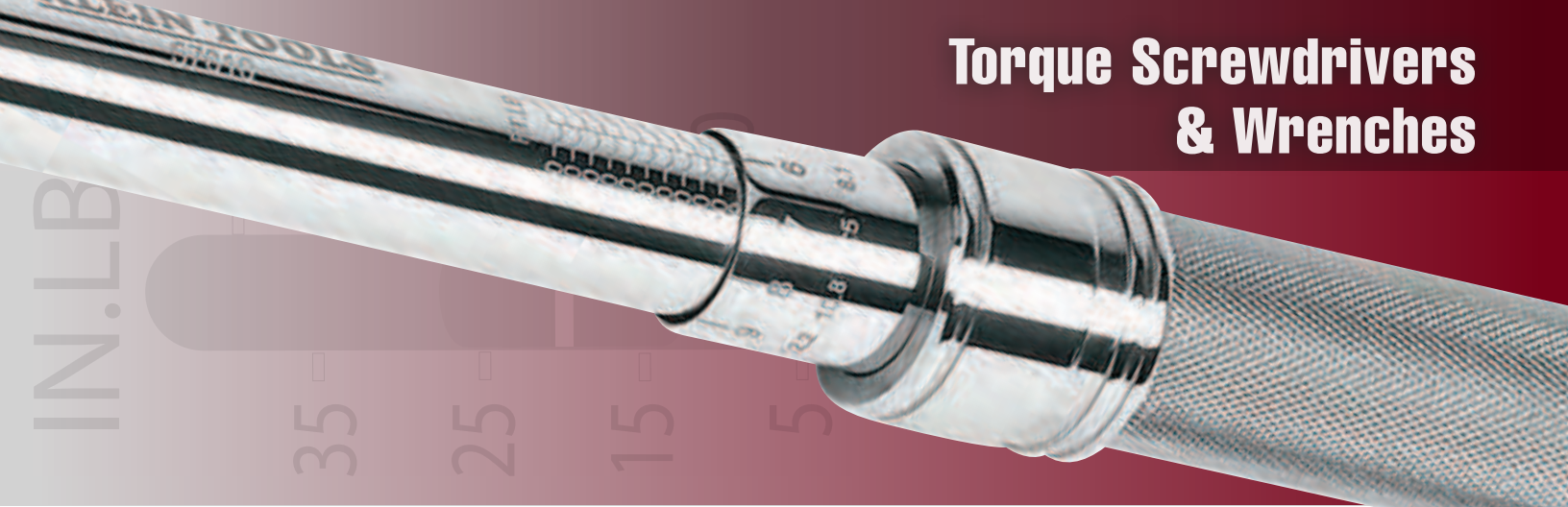
Cat. No.	Voltage Range	Frequency Range	Pollution Degree	Batteries	Weight w/ Batteries (oz./g)
NCVT-1	50-1000V AC	50-500 Hz	2	2 x AAA	1.6 oz. (46 g)
NCVT-2	12-1000V AC				
NCVT-3					2.5 oz. (72 g)

See Warnings & Warranty page for important safety information regarding the test and measurement line.



LED bar graph indicates voltage strength.

Torque Screwdrivers & Wrenches



Torque Screwdriver Set

- Compact, easy to use set includes the torque screwdriver plus six 3-1/2" power drivers.
- Tri-lobular design with a textured finish for better grip.
- Lightweight, aluminum frame.
- NIST traceable calibration certificate.
- Made in the U.S.A.



57032

Cat. No.	Contains	Weight (lbs./kg)
57032	Set includes six 3-1/2" (89 mm) power drivers: Phillips #1 and #2; Slotted 3/16" (5 mm) and 1/4" (6 mm), and Square #1 and #2.	1.0 lbs. (0.45 kg)

Micro-Adjustable Torque-Sensing Wrenches with Square-Drive Ratchet Head

- Micro-adjustable for increased accuracy.
- Ratchet head allows speedy torquing and operation in confined working areas.
- Stainless steel handle for improved grip.

Cat. No.	Drive Size	Range	Length	Weight (lbs./kg)
57000	3/8"	15 – 75 ft-lb (20.4 – 101.7 Nm)	14-1/8" (359 mm)	2.00 lbs. (0.91 kg)
57005	3/8"	30 – 150 in-lb (3.4 – 16.9 Nm)	10-5/8" (270 mm)	1.20 lbs. (0.54 kg)
57010	1/2"	50 – 250 ft-lb (67.8 – 339.0 Nm)	24-1/4" (616 mm)	3.65 lbs. (1.66 kg)



57005



25-Piece Master Electrician's Torque Tool Kit

- Piano hinged metal box includes latch with padlock eye and handle.

Cat. No.	Description	Weight (lbs./kg)
57060	Master Electrician's Torque Tool Kit	9.55 lbs. (4.33 kg)

Kit contains:

- Two micrometer-adjustable torque wrenches
- Nine hex-wrench bits
- Two 7/16" hex-wrench extensions
- One 7/16" female hex-wrench adapter (Coupler)
- One hex-to-square adapter for wrenches and one adapter for screwdrivers
- One adjustable torque screwdriver
- Seven screwdriver bits; five slotted, two Phillips



57060

Power Tool Accessories



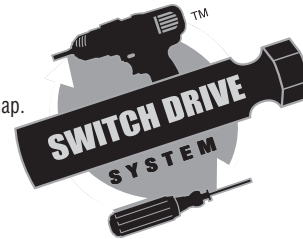
Switch between handle and drill in a snap!



IMPACT RATED!

Switch Drive™ Systems

- Quick-Release mechanism converts power tool to hand tool in a snap.
- Impact rated for the most aggressive power tools.
- 1/4" hex quick-connect for easy attachment.



32701



32700

- Easily alternate between power tool and hand tool.
- Handle is also available separately: Cat. No. 32698.
- Large Cushion-Grip handle for greater comfort and torque.

- The handle's quick release mechanism easily switches any 1/4" hex accessory between a power tool and hand tool.
- Includes Switch Drive handle and three 2" (51 mm) magnetic power nut drivers (1/4", 5/16", and 3/8").
- Handle is also available separately: Cat. No. 32698.

Cat. No.	UPC 0-92644+	Description	Included Tips			Driver Length	Overall Length
32701	32701-8	Switch Drive™ Handle – Power Nut Driver Set	○ 1/4"	○ 5/16"	○ 3/8"	2" (51 mm)	7.75" (197 mm)
32700	32700-1	Switch Drive™ Handle with #2 Phillips and #2 Square Drivers	⊕ #2	⊖ #2		6" (152 mm)	10.625" (270 mm)
32703	32704-9	Switch Drive™ Handle with #1 and #2 Phillips Drivers	⊕ #1	⊕ #2		6" (152 mm)	10.625" (270 mm)
32704	32703-2	Switch Drive™ Handle with #1 and #2 Square Drivers	⊖ #1	⊖ #2		6" (152 mm)	10.625" (270 mm)
32234	32234-1	Power Driver Set with Assorted Power Driver Bits	⊕ #1 & #2	⊖ #1 & #2	● 1/4"	3-1/2" (89 mm)	3-1/2" (89 mm)

Power Conduit Reamer

- Reams 1/2", 3/4" and 1" conduit in a fraction of the time.
- Includes replaceable No. 2 square recess bit for installing conduit fittings.
- Designed to fit into power drill chucks and 1/4" quick release adapters.

Includes Precision engineered replaceable reaming blade



1/4" hex quick connect



85091

Cat. No.	Description
85091	conduit reamer drill head for 1/2", 3/4" and 1" conduit
Replacement Parts	
19353	conduit reamer replacement blade
SQ2-1-15	#2 square recess replacement bits (15-pack)

WARNING: Read and follow safety instructions in power tool owners manual.

Power Tool Accessories



IMPACT RATED!

Multi-Bit Power Drivers

- Fits in Klein Switch Drive™ handle or any power tool.
- Multiple screwdriver and nut driver functions in one power tool adapter.
- Solid body with 1/4" hex quick connect for easy attachment to any power drill.

Solid body with a 1/4" hex quick connect



32605

Patent Pending

Includes one standard 1" bit and one double ended bit



Cat. No.	Description	Screwdriver			Nut Driver				Overall Length
		PH2	SQ2	SL 3/16"	1/4"	5/16"	3/8"	9/16"	
32605	5-in-1 Multi-Bit Power Driver	+	□	●	○		○		4.25" (108 mm)
32606	6-in-1 Multi-Bit Power Driver	+	□	●	○	○		○	5.00" (127 mm)
Double-Ended Replacement Bits									
32744	Replacement Bit for 32605 (3-pack)		□	●					
32745	Replacement Bit for 32606 (3-pack)		□	●					

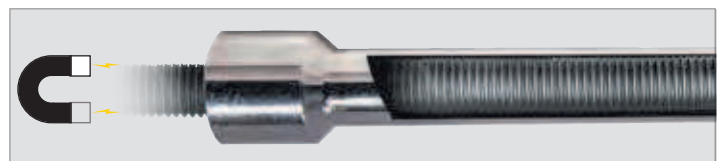
Power Nut Drivers

Cat. No.	Hex Sizes	Hollow Depth	Overall Length
10" (254 mm) Out-of-Chuck			
PND71610	7/16"	8-13/16" (223 mm)	11.32" (288 mm)
PND1210	1/2"	8-23/32" (221 mm)	11.30" (287 mm)
PND91610	9/16"	8-5/8" (219 mm)	11.33" (288 mm)
5" (127 mm) Out-of-Chuck			
PND7165	7/16"	3-13/16" (97 mm)	6.32" (161 mm)
PND125	1/2"	3-23/32" (95 mm)	6.30" (160 mm)
PND9165	9/16"	3-5/8" (92 mm)	6.33" (161 mm)

- Hollow shaft magnetic nut driver for long bolts, studs or threaded rod.
- Available in 5" and 10" lengths in 1/2", 9/16" and 7/16" sizes.
- 1/4" hex quick connect with wrench assist.



PND71610



⚠ WARNING: Read and follow safety instructions in power tool owners manual.

*Rare Earth magnet is globally sourced.

Hollow magnetic* shafts for long bolt studs or threaded rod jobs.

Safety Products

Personal Protective Equipment

Lights Eyewear Masks Hats



Headlamp **NEW!**

- 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.



56220

Cat. No.	Lumens	Run Time	Drop Height	Batteries
56220	150 / 50	6 hrs / 10 hrs	6 ft.	3xAAA

Two Modes:



Hats and Caps

- Type I helmet meets or exceeds ANSI Z89.1-2003 and CSA Z94.1-2005 specifications for Class E.
- Third Party Certified by Safety Equipment Institute.

All backs contain the Klein logo with American flag. Logo color varies depending on shell color.

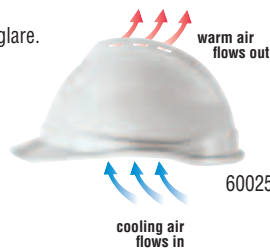


Advance® Cap

- Glaregard™ under the brim reduces reflective glare.



60027



60025

Cat. No.	Front Logo	Color	Weight (oz./g)
V-Gard Hard Hats ANSI Z89.1-2003 and CSA Z94.1-2005			
60028	none	white	15 oz. (425 g)
60030	none	blue	15 oz. (425 g)
60031	lineman	white	15 oz. (425 g)
Standard Hard Hats Meet ANSI Z89.1-2003			
60009	none	white	14 oz. (397 g)
60010	none	yellow	14 oz. (397 g)
60011	none	blue	14 oz. (397 g)
Advance® Cap			
60025		white	13.4 oz. (380 g)
60027		blue	13.4 oz. (380 g)

V-Gard® is a registered trademark of MSA, the safety company.

Glaregard™ is a trademark of, and Advance®, Fas-Trac® are registered trademarks of MSA, the safety company.

Protective Eyewear

- Meets the traffic signal color recognition requirements of ANSI Z80.3-1996.



60060

Lens Color



Cat. No.	Frame Color	Lens Color	Environment	Visual Light Transmitted	Accidental Arc Protection	Weight (oz./g)
60046	black	dark gray	outdoor	10%	No	2.4 oz. (68 g)
60047	black	SCT* gray	outdoor	15%	Yes	2.4 oz. (68 g)
60049	black	amber	indoor/ outdoor	90%	No	2.4 oz. (68 g)
60053	black	clear	indoor	92%	No	2.4 oz. (68 g)
60054	royal blue	clear	indoor	92%	No	2.4 oz. (68 g)
60055	black	espresso	outdoor	15%	No	2.4 oz. (68 g)
Frameless						
60056	black	clear	indoor	92%	No	.15 oz. (4.3 g)
60057	black	espresso	outdoor	15%	No	.15 oz. (4.3 g)

*SCT® = Spectrum Control Technology

Disposable Dust Masks

Cat. No.	Description	Weight (oz./g)
60080	box of 50 disposable dust masks	4.5 oz. (128 g)



60080

⚠️WARNING: Dust masks are NOT SUITABLE for use against toxic or hazardous air contaminants. If there is any doubt, consult an industrial hygienist.

Scope of Z89.1 – 2003 American National Standard for Head Protection

The most recent standard was approved in July 2003 and continues to cover requirements for two types of impact-resistant helmets:

TYPE I (Top Impact) Helmets intended to reduce the force of an impact to the top of a wearer's head.

TYPE II (Top and Lateral Impact) Helmets intended to reduce the force of an impact resulting from a blow received off-center or to the top of a wearer's head. The new standard's performance requirements for Type I and Type II Helmets are equivalent to those specified in the 1998 revision.

Electrical Performance

CLASS E (Electrical) Helmets intended to reduce the danger of exposure to high-voltage electrical conductors, proof-tested at 20,000 volts.

CLASS G (General) Helmets intended to reduce the danger of exposure to low-voltage electrical conductors, proof-tested at 2,200 volts.

CLASS C (Conductive) Helmets not intended to provide protection from electrical conductors. The electrical performance requirements in the 2003 standard are identical to those in the 1997 standard.

Safety Products

Personal Protective Equipment

Gloves
Tapes
Cleaning Towels
Lockout Tabs

Gloves

Cat. No.	Description	Size	Weight (oz./g)
40021	cowhide	medium	3.5 oz. (99 g)
40022	cowhide	large	3.7 oz. (105 g)
40023	cowhide	extra large	4 oz. (113 g)
40016	cowhide lined	medium	5.8 oz. (164 g)
40017	cowhide lined	large	6.1 oz. (173 g)
40018	cowhide lined	extra large	6.6 oz. (187 g)
40003	cowhide driver's	small	4.8 oz. (136 g)
40004	cowhide driver's	medium	6.4 oz. (181 g)
40006	cowhide driver's	large	6.9 oz. (196 g)
40014	cowhide driver's-lined	large	7.5 oz. (213 g)
40015	cowhide driver's-lined	extra large	8.2 oz. (232 g)
40072	electrician's	large	7.4 oz. (210 g)
40074	electrician's	extra large	7.7 oz. (218 g)
40080	lineman work	medium	7.4 oz. (210 g)
40082	lineman work	large	8.2 oz. (232 g)
40084	lineman work	extra large	8.8 oz. (249 g)
40086	lineman work	2XL	9.4 oz. (266 g)
40008	medium-cuff	large	7.7 oz. (218 g)
40010	long-cuff	large	7.7 oz. (218 g)
40012	long-cuff	extra large	7.7 oz. (218 g)
40008	medium-cuff	large	7.7 oz. (218 g)
40010	long-cuff	large	7.7 oz. (218 g)
40012	long-cuff	extra large	7.7 oz. (218 g)
40002	heavy weight jersey	fits most hand sizes	2.4 oz. (40 g)
40001	heavy weight jersey	lined version	2.6 oz. (42 g)



Barricade and Warning Tapes



Cat. No.	Description	Length	Weight (oz./g)
58000	CAUTION – CAUTION legend w/blk letters/yellow background	200' (61 m)	14.4 oz. (408 g)
58001	CAUTION – CAUTION legend w/blk letters/yellow background	1000' (305 m)	58 oz. (1644 g)
58002	CAUTION – BURIED ELECTRIC LINE legend w/blk letters/red bk-grnd	200' (61 m)	13 oz. (369 g)
58003	CAUTION – BURIED ELECTRIC LINE legend w/blk letters/red bk-grnd	1000' (305 m)	56 oz. (1588 g)

Klein Kleeners® Hand Cleaning Towels

Cat. No.	Container Size	Weight (lbs./kg)
51425	72-count bucket	2.45 lbs. (1.11 kg)



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.
- Holes will accept up to 5/16" (8 mm) diameter shackles.

⚠WARNING: Use only in accordance with OSHA requirements.



Cat. No.	Description	Weight (oz./g)
45200	1" (25 mm) lockout w/interlocking tabs closed hasp I.D.	3.2 oz. (90 g)
45201	1-1/2" (38 mm) lockout w/interlocking tabs closed hasp I.D.	4 oz. (113 g)

JOURNEYMAN

Gloves

Personal Protective Equipment

Constructed with the latest high-quality materials, the new Journeyman™ Gloves provide ample comfort and functionality.

Trek Dry™ is a trademark of Mechanix Wear, Inc. • Mossy Oak® & Breakup Infinity™ are registered trademarks of Haas Outdoors Inc. Thinsulate™ is trademark of 3M • PORON® is a registered trademark of Rogers Corp. • Armortex® is a registered trademark of Armortex, Inc.

Extreme Gloves

- PORON® padding material in the palm to absorb impact and vibration.
- Rubberized fingertips for extra grip.
- Wrist closure with hook and loop secures fit.



40218

	Medium	Large	Extra-Large	Weight (oz./g)
Cat. No.	40217	40218	40219	5.4 oz. (153 g)

Utility Gloves

- Moisture wicking and breathable Trek Dry™ stretch material on top with sponge foam and tricot lining for maximum comfort.



40206

	Medium	Large	Extra-Large	Weight (oz./g)
Cat. No.	40205	40206	40207	2.1 oz. (60 g)

Camouflage Gloves

- Mossy Oak® Break-Up Infinity™ pattern.
- Moisture wicking and breathable Trek Dry™ stretch material on top with sponge foam and tricot lining for maximum comfort.



40209

	Medium	Large	Extra-Large	Weight (oz./g)
Cat. No.	40208	40209	40210	2.7 oz. (77 g)

Cold Weather Pro Gloves

- Palm and fingers lined with Thinsulate™ C40.
- Water resistant nylon back lined with Thinsulate™ C100.
- Durable rubberized palm provides water resistance and grip with 2mm EVA foam padding for impact protection.
- 5 mm EVA foam knuckle for impact protection and comfort.



40212

	Medium	Large	Extra-Large	Weight (oz./g)
Cat. No.	40211	40212	40213	4.6 oz. (130 g)

Grip Gloves

- Armortex® rubberized grip on the fingers with reinforced synthetic leather palms and thumb for ample grip in both wet and dry conditions.
- PORON® padding material in the palm to absorb impact and vibration.
- Moisture wicking and breathable Trek Dry™ stretch material on top with sponge foam and tricot lining for maximum comfort.
- Flexible yet impact absorbing thermo plastic rubber (TPR) protects the fingers and back of the hand.



40215

	Medium	Large	Extra-Large	Weight (lbs./kg)
Cat. No.	40214	40215	40216	4.6 oz. (130 g)

Leather Gloves

- Genuine professional grade leather.
- Flexible yet impact absorbing thermo plastic rubber (TPR) protects the fingers and back of the hand.
- Moisture wicking and breathable Trek Dry™ stretch material on top with sponge foam and tricot lining for maximum comfort.
- Machine washable.



40221

	Medium	Large	Extra-Large	Weight (oz./g)
Cat. No.	40220	40221	40222	4.8 oz. (136 g)

1000 V Insulated Tools

For Safety on the Job

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

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

Custom, US-made tool steel.



Forged steel handle.

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

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



High-Leverage Side-Cutting Pliers

213-9NE-EINS



Long-Nose Pliers Side-Cutting

203-8-EINS



High-Leverage Diagonal Cutting Pliers

2000-28EINS



Combination Pliers

12098-EINS

Cat. No.	Nose Type	Overall Length	Weight (lbs./kg)
High-Leverage Side-Cutting Pliers			
213-8NE-EINS	New England	8-13/16" (224 mm)	.74 lbs. (0.34 kg)
213-9NE-EINS	New England	9-5/8" (245 mm)	.74 lbs. (0.34 kg)
2000-9NE-EINS*	New England	9-5/8" (245 mm)	.74 lbs. (0.34 kg)
Long-Nose Pliers - Side-Cutting			
203-6-EINS	Long	6-7/8" (175 mm)	.30 lbs. (0.14 kg)
203-7-EINS	Long	7-3/8" (187 mm)	.35 lbs. (0.16 kg)
203-8-EINS	Long	8-7/8" (225 mm)	.69 lbs. (0.31 kg)
High-Leverage Diagonal Cutting Pliers			
2000-28-EINS*	tapered	8-1/4" (210 mm)	.74 lbs. (0.34 kg)
2000-48-EINS*	angled	8-1/4" (210 mm)	.74 lbs. (0.34 kg)
Combination Pliers			
12098-EINS	tapered	8-1/4" (210 mm)	.86 lbs. (0.39 kg)

*Cuts ACSR, screws, nails, and most hardened wire. Features combination polished and black-oxide finish.

Cat. No.	Cuts Up to	Overall Length	Weight (lbs./kg)
High-Leverage Cable Cutter			
63050-EINS	4/0 aluminum, 2/0 soft copper, 100-pair 24 AWG communications cable	9-5/8" (245 mm)	1.01 lbs. (0.39 kg)

Cat. No.	Max. Jaw Capacity	Overall Length	Weight (lbs./kg)
Tongue & Groove Pliers			
502-10-EINS	1-3/4" (44 mm)	10-1/4" (260 mm)	1.06 lbs. (0.48 kg)

Cat. No.	Strips and Cuts	Overall Length	Weight (lbs./kg)
Solid & Stranded Stripper			
11054-EINS	8 - 16 AWG solid (8.4 mm ² - 1.3 mm ²) & 10 - 18 AWG stranded (5.3 mm ² - .82 mm ²)	10-1/4" (260 mm)	.47 lbs. (0.16 kg)

High-Leverage Cable Cutter

63050-EINS



Tongue & Groove Pliers

502-10-EINS



Solid & Stranded Stripper

11054-EINS



Tools meet or exceed IEC 60900: 2012, ASTM F1505, and VDE standards. They are clearly marked with the official 1000-volt rating symbol.

1000 V Insulated Tool Sets



For Safety on the Job

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



Forged steel handle.



Custom, US-made tool steel.

A flame retardant, impact-resistant, bright orange outer coating.

8-Piece Tool Kits

- Highly durable, black nylon case features: nylon-zipper closure, polypropylene handles, custom-fitted tool pockets.
- Replacement case available (Cat. No. 33536).



Cat. No.	Kit Contains	Weight (lbs./kg)
Basic		
33526	2 Side-Cutters 1 Diagonal-Cutter 2 Cabinet-Tip Screwdrivers	1 Phillips-Tip Screwdriver 1 Cable Cutter 1 Wire Stripper/Cutter
6.90 lbs. (3 kg)		
Premium		
33529	1 2000 Series Side Cutter 1 Side-Cutter 1 2000 Series Diagonal-Cutter 1 Cable Cutter	1 Klein-Kurve Wire Stripper/Cutter 2 Cabinet-Tip Screwdrivers 1 Phillips-Tip Screwdrivers
6.90 lbs. (3 kg)		

*See website for specific SKUs

Utility 13-Piece Tool Kits



- (Cat No. 33525SC) The light, compact, soft roll-up carry case provides protective storage with custom-fitted pockets for each tool.
- (Cat No. 33525) The custom case includes two pallets with custom-fitted pockets for each tool, piano-hinged case cover has both a combination lock and two key-locked latches for security, storage space behind the pallets to keep important papers and accessory items.

Cat. No.	Kit Contains	Weight (lbs./kg)
13-Piece Insulated Utility Kit with custom carrying case		
33525	1 2000 Series Side-Cutter 2 Long-Nose Side-Cutters 2 2000 Series Diagonal-Cutters 1 Pump Pliers Hard Shell carrying case (33535)	1/4", 5/16", 3/8" Cabinet-Tip Screwdrivers #1, #2, #3 Phillips-Tip Screwdrivers 1 Cable Cutter 1 Lineman's Skinning Knife
20.05 lbs. (4.4 kg)		
13-Piece Utility Insulated Tool Kit with roll up case		
33525SC	Same as 33525 but has a light, compact, soft roll-up case/w shoulder strap (33535SC)	6.90 lbs. (3 kg)

*See website for specific SKUs

General-Purpose 22-Piece Tool Kit

- The custom case includes 3 pallets with fitted pockets for each tool.
- Piano-hinged cover has both a combination lock and two key-locked latches for security.
- Storage space behind the pallets to keep important papers and accessory items.



33527

Cat. No.	Kit Contains	Weight (lbs./kg)
22-Piece Tool Kit		
33527	5 Side-Cutters 3 Diagonal-Cutters 1 Pump Plier 6 Assorted Cabinet-Tip Screwdrivers 3 Phillips-Tip Screwdrivers 1 Wire Stripper/Cutter 1 Cable Cutter 1 Linemans Skinning Knife 1 Crimping/Cutting Tool	24.30 lbs. (11 kg)

*See website for specific SKUs

9-Piece Driver Kits

- Highly durable, nylon case features: nylon-zipper closure, polypropylene handles, custom-fitted tool pockets, extra pocket is provided for storage of papers or other items.



33528

Cat. No.	Kit Contains	Weight (lbs./kg)
Screwdriver Kit		
33528	3/16" (2x), 1/8", 1/4", 5/16", 3/8" Cabinet-Tips #1, #2, #3 Phillips-Tips 1 custom heavy-duty carrying case (33538)	5.40 lbs. (2.4 kg)
6" Hollow Shaft Nut Driver Kit		
33524	3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", and 5/8" sizes 1 custom heavy-duty case (33534)	6.00 lbs. (2.7 kg)

*See website for specific SKUs

All Insulated screwdrivers must follow these warnings.



Cable Cutters



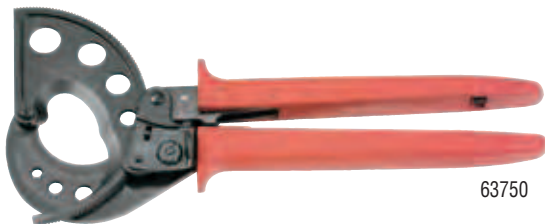
Standard Cable Cutters

- Replaceable hook-jaw blades grab and hold cable while shear-cutting action makes clean cuts.
- Exceptionally strong fiberglass handles with comfortable, slip resistant grips.
- Lightweight, yet efficient shear-type cable cutters.
- Not designed for cutting steel or ACSR.



Ratcheting Cable Cutters

- Plastic covered handles with hand guards for comfort and firm grip.
- High-leverage ratchet mechanism for easier cutting.
- Patented two-step ratchet mechanism requires fewer strokes per cut.
- Cat No. 63700 cuts steel and ACSR 5/8" (16 mm) dia. steel wire rope, 1/2" (13 mm) dia. steel rod (C.R.S. SOFT).



Maximum Cable Capacity							
Cat. No.	Copper	Aluminum	ACSR	Guy Strand	Communication Cable	Overall Length	Weight (lbs./kg)
Standard Cable Cutters							
63041	500 MCM (250 mm ²)	750 MCM (400 mm ²)	-	-	1-3/8" (35 mm) dia.	25-1/2" (648 mm)	5.25 lbs. (2.4 kg)
63041TH*	500 MCM (250 mm ²)	750 MCM (400 mm ²)	-	-	1-3/8" (35 mm) dia.	25-1/2" (648 mm)	5.25 lbs. (2.4 kg)
63045	1000 MCM (500 mm ²)	1200 MCM (600 mm ²)	-	-	1-3/4" (44 mm) dia.	32" (813 mm)	8.00 lbs. (3.6 kg)
63047	900-pair soft copper and aluminum	up to 2-1/4" (57 mm) diameter	-	-	1-3/4" (44 mm) dia.	37" (940 mm)	8.55 lbs. (3.9 kg)
Ratcheting Cable Cutters							
63060	400 MCM (185 mm ²)	600 MCM (300 mm ²)	-	-	1-1/8" (28 mm)	10-1/4" (260 mm)	1.32 lbs. (.60 kg)
63711	600 MCM (300 mm ²)	750 MCM (400 mm ²)	-	-	1-1/8" (28 mm)	11-1/2" (292 mm)	2.00 lbs. (.91 kg)
63750	1000 MCM (500 mm ²) 750 MCM (400 mm ²)	Frequent Use: 1000 MCM (500 mm ²) Frequent Use: 750 MCM (400 mm ²)	-	-	2-1/16" (52 mm)	12-1/8" (308 mm)	1.76 lbs. (.80 kg)
63607	400 MCM (300 mm ²)	600 MCM (300 mm ²)	336 MCM (170 mm ²)	-	-	10-1/4" (260 mm)	1.50 lbs. (.68 kg)
63700	750 MCM (400 mm ²)	750 MCM (400 mm ²)	1-1/4" (32 mm) dia., ACAR	7/16" (11 mm) dia.	-	28" (711 mm)	14.00 lbs. (6.4 kg)
63800ACSR	1-1/4" (32 mm)	1" (25 mm)	477 MCM (273 mm ²)	1/2" (13 mm)	-	13-3/4" (349 mm)	3.20 lbs. (1.5 kg)
Replacement Cable Cutter Heads (complete)			Fits Klein Cat. No.				
63081				63041 and 63041TH		2.05 lbs. (.93 kg)	
63090				63045		3.20 lbs. (1.5 kg)	
63858				63800ACSR			
63110				63047			

*With protective rubber sleeves.

⚠WARNING: Do NOT use to cut steel or ACSR if it is not indicated in the chart.

Bolt Cutters



Heavy-Duty Ratcheting Bolt Cutter

- The spring-loaded cable retention hook snaps onto the cable in one hands-free motion and prevents individual steel strands from slipping out of the cutting jaws.
- Cuts 1/2" (12.7 mm) utility-grade guy strand and 3/8" (9.5 mm) EHS.
- Lockplate reinforcement prevents jaw bolts from loosening or turning, keeps jaws in correct alignment.

NEW!

Bolt Cutters

- Forged, alloy tool steel jaws are precision ground for sure, efficient cutting and long life.
- All purpose, center-cut jaws for soft, medium and hard materials.



⚠ WARNING: NOT for cutting cable.

Cat. No.	Overall Length	Soft & Medium Cutting Maximum Capacities*	Hard Material Cutting Maximum Capacities**	Weight (lbs./kg)
Heavy Duty Steel Handle Bolt Cutters				
63RBCHD	31" (787 mm)	—	1/2" (12.7 mm) utility-grade guy strand 3/8" (9.5 mm) EHS	10.9 lbs. (4.9 kg)
Steel Handle Bolt Cutters***				
63314	14" (356 mm)	5/16" (8 mm)	3/16" (5 mm)	3.15 lbs. (1.4 kg)
63318	18" (457 mm)	3/8" (10 mm)	1/4" (6 mm)	3.55 lbs. (1.6 kg)
63324	24" (610 mm)	7/16" (11 mm)	5/16" (8 mm)	6.30 lbs. (2.9 kg)
63330	30" (762 mm)	1/2" (13 mm)	3/8" (10 mm)	10.20 lbs. (4.6 kg)
63336	36" (914 mm)	9/16" (14 mm)	7/16" (11 mm)	14.25 lbs. (6.5 kg)
63342	42" (1067 mm)	11/16" (18 mm)	1/2" (13 mm)	19.20 lbs. (8.7 kg)
Fiberglass Handle Bolt Cutters***				
63118	18-1/4" (464 mm)	3/8" (10 mm)	1/4" (6 mm)	3.65 lbs. (1.7 kg)
63124	24-1/2" (622 mm)	7/16" (11 mm)	5/16" (8 mm)	6.13 lbs. (2.8 kg)
63130	30-1/2" (775 mm)	1/2" (13 mm)	3/8" (10 mm)	9.50 lbs. (4.3 kg)
63136	36-1/2" (927 mm)	9/16" (14 mm)	7/16" (11 mm)	12.95 lbs. (5.9 kg)

* Up to Brinell 300, Rockwell C31.
 ** Up to Brinell 400, Rockwell C42.
 *** Replacement parts and blades available.

Reference Guide

Cat. No.	UPC # 0-92644+	Description
WIRE PULLING		
56000	56000-2	25' Steel Fish Tape
56001	56001-9	50' Steel Fish Tape
56002	56002-6	65' Steel Fish Tape
56003	56003-3	125' Steel Fish Tape
56004	56004-0	240' Steel Fish Tape
56005	56005-7	25' Steel Fish Tape
56006	56006-4	100' Steel Fish Tape
56007	56007-1	125' Stainless Steel Fish Tape
56008	56008-8	240' Stainless Steel Fish Tape
56013	56013-2	50' Spiral Steel Fish Tape
56055	56055-2	100' Multi-Groove Fiberglass Fish Tape – 7" leader
56056	56056-9	200' Multi-Groove Fiberglass Fish Tape– 7" leader
56057	56057-6	50' Non-Conductive Multi-Groove Fiberglass Fish Tape
56058	56058-3	100' Non-Conductive Multi-Groove Fiberglass Fish Tape
56059	56059-0	200' Non-Conductive Multi-Groove Fiberglass Fish Tape
56065	56065-1	65' Steel Replacement Fish Tape
56125	56125-2	125' Steel Replacement Fish Tape
56240	56240-2	240' Steel Replacement Fish Tape
Pull Line		
56108	56108-5	500' Poly Pull Line
56110	56110-8	6500' Poly Pull Line
Lubricants		
51100	51100-4	Foam Wire Pulling Lubricant - 19 oz. can
Splinter-Guard™ Fish and Glow Rods		
56119	56119-1	Illuminated Fish Rod Tip
56304	56304-1	4' Lo-Flex Fish Rod
56306	56306-5	6' Lo-Flex Fish Rod
56312	56312-6	12' Lo-Flex Fish Rod Set
56324	56324-9	24' Lo-Flex Fish Rod Set
56325	56325-6	25' Fish and Glow Rod Set
56326	56326-3	Deluxe Fish Rod Kit
56405	56405-5	5' Mid-Flex Glow Rod
56406	56406-2	6' Hi-Flex Glow Rod
56409	56409-3	9' Mid-Flex Glow Rod Set
56415	56415-4	15' Mid-Flex Glow Rod Set
56418	56418-5	18' Hi-Flex Glow Rod Set
Conduit Benders		
51427	51427-2	Handle for 1/2" & 3/4" EMT Benders
51428	51428-9	Handle for 1" EMT Benders
51429	51429-6	Handle for 1-1/4" EMT Benders
56203	56203-7	Iron Bender w/ Handle – 1/2" EMT
56204	56204-4	Iron Bender w/ Handle – 3/4" EMT
56205	56205-1	Iron Bender w/ Handle – 1" EMT
56206	56206-8	Aluminum Bender w/ Handle – 1/2" EMT
56207	56207-5	Aluminum Bender w/ Handle – 3/4" EMT
56208	56208-2	1/2" Iron Conduit Bender Head
56209	56209-9	3/4" Iron Bender Head
56210	56210-5	1" Iron Bender Head
56211	56211-2	1-1/4" Iron Bender Head
Super Rod Series Low Voltage Wire Pulling <i>ALL NEW!</i>		
SRS56036	56036-1	WIRESpanner™plus - Telescopic Pole 18'
SRS56037	56037-8	Magnetic Wire Pulling System
SRS56038	56038-5	Polymer Fish Rod Set with Glow-in-the-Dark Leaders – 4.7'
ELECTRICAL TEST AND MEASUREMENT		
69410	69410-3	Replacement test lead set - right angle inputs <i>NEW!</i>
69417	69417-2	Magnetic hanger for multimeters & clamp meters <i>NEW!</i>
69418	69418-9	Replacement test lead set - straight inputs <i>NEW!</i>
CL600	69014-3	Digital Clamp Meter <i>NEW!</i>
CL700	69015-0	Digital Clamp Meter <i>NEW!</i>
CL800	69016-7	Digital Clamp Meter <i>NEW!</i>
CL2500	69207-9	1000A AC/DC TRMS Clamp Meter

Cat. No.	UPC #0-92644+	Description
ELECTRICAL TEST AND MEASUREMENT CON'T		
CL2500N	69707-4	1000A AC/DC TRMS Clamp Meter w/ NIST Cert.
CL3200	69208-6	200A AC Fork Tester
CL3200N	69708-1	200A AC Fork Tester w/ NIST Cert.
IR5	69030-3	Dual-laser Infrared Thermometer <i>NEW!</i>
MM600	69022-8	Digital Multimeter <i>NEW!</i>
MM700	69023-5	Digital Multimeter <i>NEW!</i>
NCVT-1	69000-6	Non Contact Voltage Tester
NCVT-2	69002-0	Dual Range Non-Contact Voltage Tester
NCVT-3	69008-2	Non Contact Voltage Tester with Flashlight <i>NEW!</i>
BOLT CUTTERS AND CABLE CUTTERS		
63041	63041-5	25" Standard Cable Cutter
63045	63045-3	32" Standard Cable Cutter
63047	63047-7	Communications Cable Cutter
63060	63060-6	Ratcheting Cable Cutter
63118	63118-4	18-1/4" Fiberglass Handle Bolt Cutter
63124	63124-5	24-1/2" Fiberglass Handle Bolt Cutter
63130	63130-6	30-1/2" Fiberglass Handle Bolt Cutter
63136	63136-8	36-1/2" Fiberglass Handle Bolt Cutter
63314	63314-0	14" Steel Handle Bolt Cutter
63318	63318-8	18" Steel Handle Bolt Cutter
63324	63324-9	24" Steel Handle Bolt Cutter
63330	63330-0	30" Steel Handle Bolt Cutter
63336	63336-2	36" Steel Handle Bolt Cutter
63342	63342-3	42" Steel Handle Bolt Cutter
63601	63601-1	Compact Ratcheting Cable Cutter
63607	63607-3	Small ACSR Cable Cutter
63700	63700-1	Ratcheting Cable Cutter – Heavy-Duty
63711	63711-7	Open Jaw Cable Cutter
63750	63750-6	Ratcheting Cable Cutter
63041TH	63004-0	25" Standard Cable Cutter w/ Rubber Sleeves
63800ACSR	63002-6	ACSR Ratcheting Cable Cutter
63RCHD	63067-5	31" Heavy-Duty Ratcheting Bolt Cutter <i>NEW!</i>
POWER TOOL ACCESSORIES		
19353	85703-4	Conduit Reamer Replacement Blade
32605	32605-9	5-in-1 Multi-Bit Power Driver
32606	32606-6	6-in-1 Multi-Bit Power Driver <i>NEW!</i>
32700	32700-1	2 Power Driver Bits & Handle
32701	32701-8	3 Assorted Power Nut Drivers
32703	32703-2	2 Phillips Power Driver Bits & Handle
32704	32704-9	2 Square Recess Power Driver Bits & Handle
32744	32744-5	Replacement Blade for 32605 (3-Pack)
32745	32745-2	Replacement Blade for 32606 (3-Pack)
85091	85091-2	Power Conduit Reamer
PND1210	32754-4	1/2" Power Nut Driver – 10"
PND71610	32755-1	7/16" Power Nut Driver – 10"
PND91610	32753-7	9/16" Power Nut Driver – 10"
SQ115	32729-2	#1 Square Insert Power Drivers – 1" Bit
SQ1355	32730-8	#1 Square Power Drivers – 3-1/2"
SQ162	32731-5	#1 Square Power Drivers – 6"
SQ2115	32732-2	#2 Square Insert Power Drivers – 1" Bit
SQ2355	32733-9	#2 Square Power Drivers – 3-1/2"
SQ262	32734-6	#2 Square Power Drivers – 6"
SQ315	32735-3	#3 Square Insert Power Drivers - 1" Bit
SQ3355	32736-0	#3 Square Power Drivers – 3-1/2"
SQ362	32737-7	#3 Square Power Drivers – 6"
WORK @ HEIGHT PLIERS <i>ALL NEW!</i>		
D228-8TT	72037-6	High-Leverage Diagonal-Cutting Pliers
D248-9STT	72049-9	High-Leverage Diagonal-Cutting Pliers—Angled Head
D213-9NETT	70104-7	High-Leverage Side-Cutters
D213-9STT	70087-3	High-Leverage Ironworker's Pliers
D201-7CSTT	70102-3	Ironworker's Pliers

Reference Guide

Cat. No.	UPC # 0-92644+	Description
PERSONAL PROTECTIVE EQUIPMENT		
51425	51425-8	Klein Hand Cleaning Towels
58003	58003-1	1000' CAUTION/BURIED ELECTRIC LINE Tape
60080	60080-7	Disposable Dust Masks
Gloves		
40001	60101-9	Lined Heavyweight Jersey Gloves
40002	60102-6	Heavyweight Jersey Gloves
40003	60103-3	Cowhide Driver's Glove - S
40004	60104-0	Cowhide Driver's Glove - M
40006	60106-4	Cowhide Driver's Glove - L
40008	60108-8	Medium-Cuff Gloves - L
40010	60109-5	Long-Cuff Gloves - L
40012	60111-8	Long-Cuff Gloves - XL
40014	60114-9	Lined Cowhide Driver's Gloves - L
40015	60115-6	Lined Cowhide Driver's Gloves - XL
40016	60116-3	Lined Cowhide Work Gloves - M
40017	60117-0	Lined Cowhide Work Gloves - L
40018	60118-7	Lined Cowhide Work Gloves - XL
40021	60121-7	Cowhide Work Gloves - M
40022	60122-4	Cowhide Work Gloves - L
40023	40023-0	Cowhide Work Gloves - XL
40072	60003-6	Electrician's Gloves - L
40074	60004-3	Electrician's Gloves - XL
40080	60006-7	Lineman Work Glove - Medium
40082	60007-4	Lineman Work Glove - Large
40084	60008-1	Lineman Work Glove - Extra Large
40086	60062-3	Lineman Work Glove - XXL
40205	40205-0	Journeyman™ Utility Gloves - M
40206	40206-7	Journeyman™ Utility Gloves - L
40207	40207-4	Journeyman™ Utility Gloves - XL
40208	40208-1	Journeyman™ Camouflage Gloves - M
40209	40209-8	Journeyman™ Camouflage Gloves - L
40210	40210-4	Journeyman™ Camouflage Gloves - XL
40211	40211-1	Journeyman™ Cold Weather Pro Gloves - M
40212	40212-8	Journeyman™ Cold Weather Pro Gloves - L
40213	40213-5	Journeyman™ Cold Weather Pro Gloves - XL
40214	40214-2	Journeyman™ Grip Gloves - M
40215	40215-9	Journeyman™ Grip Gloves - L
40216	40216-6	Journeyman™ Grip Gloves - XL
40217	40217-3	Journeyman™ Extreme Gloves - M
40218	40218-0	Journeyman™ Extreme Gloves - L
40219	40219-7	Journeyman™ Extreme Gloves - XL
40220	40220-3	Journeyman™ Leather Gloves - M
40221	40221-0	Journeyman™ Leather Gloves - L
40222	40222-7	Journeyman™ Leather Gloves - XL
Protective Eyewear		
60046	60046-3	Standard Eyewear - Dark Gray Lens
60047	60047-0	Standard Eyewear - SCT Gray Lens
60049	60049-4	Standard Eyewear - Amber Lens
60053	60053-1	Standard Eyewear - Clear
60054	60054-8	Standard Eyewear - Clear
60055	60055-5	Standard Eyewear - Espresso
60056	60056-2	Frameless Eyewear - Clear
60057	60057-9	Frameless Eyewear - Espresso
Hard Hats and Accessories		
56220	56220-4	Headlamp NEW!
60009	60009-8	Standard Hard Cap, White
60010	60010-4	Standard Hard Cap, Yellow
60011	60011-1	Standard Hard Cap, Blue
60025	60025-8	Advance® Hard Cap, White
60027	60027-2	Advance® Hard Cap, Blue
60028	60028-9	V-Gard® Hard Hat, White

Cat. No.	UPC # 0-92644+	Description
PERSONAL PROTECTIVE EQUIPMENT CONT		
60030	60030-2	V-Gard® Hard Hat, Blue
60031	60031-9	V-Gard® Hard Hat, White
Lockouts, Barricade Tape and Cleaners		
45200	45200-0	Lockouts w/Interlocking Tabs
45201	45201-7	Lockouts w/Interlocking Tabs
58000	58000-0	200' CAUTION Tape
58001	58001-7	1000' CAUTION Tape
58002	58002-4	200' CAUTION/BURIED ELECTRIC LINE Tape
INSULATED TOOLS AND KITS		
203-6-EINS	71048-3	6" Long Nose Side-Cutting Pliers
203-7-EINS	71049-0	7" Long Nose Pliers Side-Cutting Pliers
203-8-EINS	71047-6	8" Long Nose Heavy-Duty Side-Cutting Pliers
213-8NE-EINS	70192-4	9" High-Leverage Side-Cutting Pliers
213-9NE-EINS	70193-1	9" High-Leverage Side-Cutting Pliers
502-10-EINS	73001-6	10" Tongue & Groove Pliers
33524	33524-2	9-Piece Insulated Nut Driver Set - 6" Shafts
33525	33525-9	Utility Insulated Tool Kit
33526	33526-6	Basic Insulated 8-Piece Tool Kit
33527	33527-3	Insulated 22-Piece General-Purpose Tool Kit
33528	33528-0	Cushion-Grip Insulated Screwdriver Kit
33529	33529-7	Premium Insulated 8-Piece Tool Kit
11054-EINS	74010-7	8-16 AWG Solid & 10-18 AWG Stranded Wire Stripper
12098-EINS	70191-7	Combination Pliers
2000-28-EINS	72007-9	8" High-Leverage Diagonal-Cutting Pliers - Tapered Head
2000-48-EINS	72008-6	8" High-Leverage Diagonal-Cutting Pliers - Angled Head
2000-9NE-EINS	70194-8	9" High-Leverage Side-Cutting Pliers Heavy-Duty Cutting
33525SC	33015-5	Utility Insulated 13-Piece Tool Kit w/ Roll-Up Case
63050-EINS	63013-2	High-Leverage Cable Cutter
HOLEMAKING		
Bi-Metal Hole Saws		Saw Diameter ALL NEW!
31900	31900-6	6-3/8" (162 mm)
31914	31914-3	7/8" (22 mm)
31918	31918-1	1-1/8" (29 mm)
31922	31922-8	1-3/8" (35 mm)
31928	31928-0	1-3/4" (44 mm)
31932	31932-7	2" (51 mm)
31940	31940-2	2-1/2" (64 mm)
31944	31944-0	2-3/4" (70 mm)
31948	31948-8	3" (76 mm)
31958	31958-7	3-5/8" (92 mm)
31972	31972-3	4-1/2" (114 mm)
Bi-Metal Hole Saw Kit		ALL NEW!
31902	31902-0	8-Piece Kit
Step Drill Bits		Hole Range Size ALL NEW!
KTSB01	59101-3	1/8" - 1/2" (3 mm - 13 mm)
KTSB03	59103-7	1/4" - 3/4" (6 mm - 19 mm)
KTSB11	59111-2	7/8" - 1-1/8" (22 mm - 29 mm)
KTSB14	59114-3	3/16" - 7/8" (5 mm - 22 mm)
KTSB15	59115-0	7/8", 1-1/8", 1-3/8" (22, 29, 35 mm)
Wood Boring Bits		Hole Size ALL NEW!
53932	53932-9	7/8" (22 mm)
53934	53934-3	1-1/8" (29 mm)
53936	53936-7	1-3/8" (35 mm)
53938	53938-1	Replacement Shaft
TORQUE WRENCHES AND SCREWDRIVERS		
57032	57032-2	Torque Screwdriver Set
57000	57000-1	3/8" Torque Wrench
57005	57005-6	3/8" Torque Wrench
57010	57010-0	1/2" Torque Wrench
57060	57060-5	Master Electrician's Torque Tool Kit

Warnings and Warranty



Warning



Always wear approved eye protection.



NOT insulated. Plastic-dipped or slip-on plastic handles are NOT intended for protection against electrical shock.

Never use on or near live electrical circuits.



Use a safe work position to avoid loss of balance.



Do NOT use to pry.



Do NOT extend handle length.



Do NOT use to chisel.



Do NOT use to push or hammer.

Fish Tapes

WARNING: Never remove screws while fish tape is coiled inside reel.

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

Personal Protective Equipment (Hard Hats, Eyewear, Accessories)

WARNING: 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.

Infrared Thermometer

CAUTION: Reflective materials may be hotter than indicated. Laser radiation-Do NOT stare into beam. Class 2 laser product.

See www.kleintools.com/warranty for more information.

Warranty Returns

All warranty returns must include a Warranty Return Authorization (WRA) number. The WRA for the U.S. can be obtained by calling Customer Service at 1-800-553-4676. (International call 1-847-821-5500) or email serviceonline@kleintools.com.

Warranty

Klein products in this catalog, manufactured and sold for commercial or industrial uses, are warranted to be free from defects in materials and workmanship for the normal life of the product. This warranty does not apply, for example, to damage from alterations, abuse, accidents, misuse, lack of maintenance, or normal wear and tear. With the exception of: I. Electronic Test & Measurement products (see warranty below); and II. Ratcheting and Drill-Operated Cable Cutters, which are warranted for one year from the date of purchase. The following consumable products are warranted to be free from defects in materials and workmanship when delivered to the customer: Triple-Taps, Drill Bits, Step Drills, Carbide Hole Cutters, Hole Saws and Arbors; Saw Blades and Jab Saws; disposable Razor and Knife Blades; Stripper Cartridges, Replaceable Cutting Inserts, Bits and Blades; Hand Cleaners and Wire Pulling Lubricant. **THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS.** At its option Klein will repair or replace, or refund the purchase price of, any product which fails to conform to this warranty under normal use and service. **In no event shall Klein be liable for incidental or consequential damage.**

If your Klein product requires repair or for information on how to exercise your rights under the terms of this warranty, please contact Klein Tools at 1-800-553-4676.

Electronic Test & Measurement Warranty

Klein electronic test and measurement devices (and accessories), manufactured and sold for commercial or industrial uses, are warranted to be free from defects in materials and workmanship for two years from the date of purchase (unless otherwise noted on the product packaging). **THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS.** At its option, Klein will repair or replace, or refund the purchase price of, any product which fails to conform to this warranty under normal use and service. **In no event shall Klein be liable for incidental or consequential damage.** This warranty does not apply to batteries.

Specifications of all products in this catalog are subject to change without notice.

Dimensions shown for all forged products in this catalog are as precisely accurate as possible, but subject to very slight variations that are unavoidable in forging and grinding operations. Dimensions of Klein forged tools and all other tools and equipment are always within commercial tolerances recognized for such products.

Test and Measurement

WARNING:

- 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)

WARNING:

- 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.



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