



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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Personal Protective Equipment and Safety Products

Klein Tools provides personal protective equipment and safety products to help guard against a wide variety of occupational hazards.



For Professionals...
Since 1857™

Protective Eyewear

Impact resistant polycarbonate lenses block greater than 99.9% of harmful UVA and UVB radiation up to 400 nanometers.

Permanently bonded **Uvextreme® anti-fog coating** with anti-scratch, anti-static and UV protection properties.

Adjustable spatulite temples provide a comfortable customized fit.

Temple-end holes for easy lanyard attachment.

Wrap-around lens with integrated side shields provides a clear, unobstructed field of vision and superior coverage.

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



Uvextreme® and Spectrum Control Technology® (SCT®) are registered trademarks of Sperian Eye & Face Protection, Inc.
*SCT® = Spectrum Control Technology



Lens Color



Protective Eyewear - Standard

Additional Features:

- Meets military Vo ballistic test for impact
- Soft elastomer brow-guard absorbs, diffuses and deflects impact energy
- Soft flexible fingers adjust and conform to most nasal profiles reducing slippage
- Three position ratchet lens inclination adjusts for a custom fit and unsurpassed comfort
- Lens designed to follow the contour of the cheekbone and create a "zone of protection"
- Dual 9-base wrap-around lens provides uncompromised peripheral vision
- Unique ventilation channel delivers an outstanding level of moisture and fog control



60053

Cat. No.	Frame Color	Lens Color	Environment	Light Intensity	True Color Recognition	Visual Light Transmitted	IR Absorption	Blue Light Transmittance	Accidental Arc Protection	Weight
60046	Black	Dark Gray	Outdoor	Normal to Bright	Yes	10%	60%	—	No	2.4 oz. (68 g)
60047	Black	SCT Gray	Outdoor	Normal to Bright	Yes	15%	>85%	< 7%	Yes	2.4 oz. (68 g)
60049	Black	Amber	Indoor/Outdoor	Normal to Low	No	90%	—	—	No	2.4 oz. (68 g)
60053	Black	Clear	Indoor	Normal to Low	Yes	92%	—	—	No	2.4 oz. (68 g)
60054	Royal Blue	Clear	Indoor	Normal to Low	Yes	92%	—	—	No	2.4 oz. (68 g)
60055	Black	Espresso	Outdoor	Normal to Bright	Yes	15%	60%	< 3%	No	2.4 oz. (68 g)

Protective Eyewear - Frameless

Additional Features:

- Meets military Vo ballistic test for impact (7x greater than ANSI)
- Secure wrap-around brow expands to fit a wide range of users
- Ultra lightweight design offers ultimate comfort at less than one ounce
- Proprietary Floating Lens offers increased flexibility in fit
- Soft temple tip pads provide a comfortable and secure fit
- Does not have lanyard holes



60056

Cat. No.	Frame Color	Lens Color	Environment	Light Intensity	True Color Recognition	Visual Light Transmitted	IR Absorption	Blue Light Transmittance	Accidental Arc Protection	Weight
60056	Black	Clear	Indoor	Normal to Low	Yes	92%	—	—	No	2.6 oz. (73 g)
60057	Black	Espresso	Outdoor	Normal to Bright	Yes	15%	0.72 lbs. (0.33 kg)	< 3%	No	2.6 oz. (73 g)



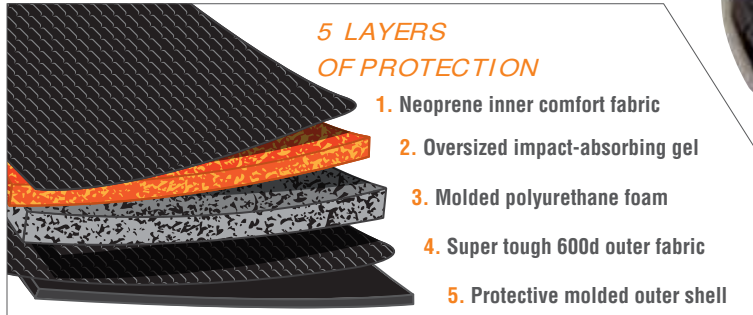


Personal Protective Equipment

Knee Pads

NEW!

- 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
- Knee pads are sold in pairs



55629

Cat. No.	Height	Width	Depth	Weight
55629 NEW!	9-1/2" (241.3 mm)	7-1/2" (190.5 mm)	3-1/2" (88.9 mm)	1.2 lbs. (0.54 kg)

Full Face Shield

- Free-floating ratchet head gear with full-tension adjustment and sweat band for added comfort
- High-impact, full-front cap and chin guard for extra protection
- Anti-warp design resists dimensional distortion from heat and moisture
- Big window extends past ears, providing wide-angle protection
- Window is made of clear, tough acetate
- Meets ANSI Z87.1+ 2010 and CSA Z94.3-07 (R2014)

Cat. No.	Description	Window Dimensions	Weight
60060	Full Face Shield for Hard Caps	19-1/2" W x 6-1/2" H (495.3 mm x 165.1 mm)	1.5 lbs. (0.68 kg)



60060

Disposable Dust Masks

- Comfortable, full-size mask keeps dust out, lets air in freely for dependable protection and easy breathing
- For use around grinding and sanding operations, drilling in plaster or cement, cleaning dusty areas, and similar applications
- Double-absorbent filter material is non-allergenic
- Elastic band and soft, flared edges make for a comfortable fit
- Metal nosepiece conforms to fit snugly around facial contours
- Mask stands out away from nose and mouth, and won't collapse when wet from use or humidity

Cat. No.	Description	Weight
60080	Disposable Dust Mask	0.16 oz. (4.5 g)



60080

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



Hard Hats and Accessories

Hard Caps and Accessories

- High-density polyethylene hard caps meet ANSI Z89.1-2003 specifications for Class E
- Unique nape strap holds hat firmly in place
- Washable, shrink-and stretch-proof straps and bands
- Porous brow pad promotes ventilation for comfort
- Standard size fits head sizes 6 - 8
- Full 6-point ratcheting suspension
- Headband clips help hold goggles in place over eyes or on front of cap
- Rain trough helps keep neck dry
- Slots at sides for attaching Cat. No. 60060 face shield and other protective gear require a universal slot adapter

Available in three colors



60010

Cat. No.	Description	Weight
60009	Standard Hard Cap, White	13.6 oz. (386 g)
60010	Standard Hard Cap, Yellow	13.6 oz. (386 g)
60011	Standard Hard Cap, Blue	13.6 oz. (386 g)
Hoodliner		
60015	Winter Liner for Standard Hard Caps	2.4 oz. (68 g)
Face Shield		
60060	Full Face Shield for Hard Caps	1.5 lbs. (0.68 kg)

V-Gard® Hats

- Polyethylene shell with 4-point Fas-Trac® ratcheting suspension
- Standard size fits head sizes 6 - 8
- Two branding choices: plain front and Klein Tools Lineman Logo
- Type I helmet meets or exceeds ANSI Z89.1-2009 and CSA Z94.1-2005 specifications for Class E
- Third Party Certified by Safety Equipment Institute

V-Gard® and Fas-Trac® are registered trademarks of Mine Safety Appliances Company.

Available in two colors



60031

Cat. No.	Color	Weight
60028	White	15.2 oz. (431 g)
60030	Blue	15.2 oz. (431 g)
60031	White w/Lineman Logo	15.2 oz. (431 g)

All V-Gard® helmet backs contain the Klein logo with American flag (shown on blue hard hat above). Logo color varies depending on shell color.

Advance® Cap

- Vented style provides cooling vents for improved air circulation and comfort
- Glaregard™ under the brim reduces reflective glare
- Lateral contours above the ear for easy integration of hearing protection
- Polyethylene shell with 4-point Fas-Trac® ratcheting suspension
- Lightweight design for added comfort
- Standard size fits head sizes 6 - 8
- Branding: Plain front with Klein Tools Logo and American Flag on the back of the cap
- Type I helmet meets or exceeds ANSI Z89.1-2003 and specifications for Class C
- Third Party Certified by Safety Equipment Institute

Available in two colors



60027

Cat. No.	Color	Weight
60025	White	13.4 oz. (381 g)
60027	Blue	13.4 oz. (381 g)

Glaregard™ is a trademark of, and Advance® is a registered trademark of Mine Safety Appliances Company.

Scope of Z89.1 - 2014 American National Standard for Head Protection

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.

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.



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 5/16" (8 mm) diameter shackles



45201

Cat. No.	Closed Hasp I.D.	Weight
45200	1" (25.4 mm)	3.2 oz. (91 g)
45201	1-1/2" (38.1 mm)	4.0 oz. (113 g)

WARNING: Use only in accordance with OSHA requirements.

Barricade and Warning Tapes

- Bold, black lettering on bright, long-lasting color backgrounds
- Yellow background for CAUTION/CAUTION tape
- Red background for CAUTION - BURIED ELECTRIC LINE Tape
- Made of tough, durable (2.5 mil) polyethylene
- Highly resistant to acids, alkalis, and other soil components
- Tapes are 3" (76 mm) wide, and are available in either 200' (61 m) or 1000' (305 m) rolls



58000

Cat. No.	Description	Legend	Color	Width	Length	Weight
58000	Caution Warning Tape Barricade 200 ft.	CAUTION	Black on Bright Yellow	3" (76.2 mm)	200 ft. (61.0 m)	14.4 oz. (408 g)
58001	Caution Warning Tape Barricade 1000 ft.	CAUTION	Black on Bright Yellow	3" (76.2 mm)	1000 ft. (305 m)	3.6 lbs. (1.63 kg)
58002	Caution Barricade Warning Tape 200 ft.	CAUTION-BURIED ELECTRIC LINE	Black on Bright Red	3" (76.2 mm)	200 ft. (61.0 m)	12.8 oz. (363 g)
58003	Caution Barricade Warning Tape 1000 ft.	CAUTION-BURIED ELECTRIC LINE	Black on Bright Red	3" (76.2 mm)	1000 ft. (305 m)	3.5 lbs. (1.59 kg)

Cleaners

Klein Kleeners™ Hand Cleaning Towels

- Simple and convenient
- Pre-moistened towels
- No rinsing - no drying - no residue
- 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



51425

Cat. No.	Towel Size	Package Quantity	Weight
51425	9" x 12" (228.6 mm x 304.8 mm)	72	2.5 lbs. (1.13 kg)

JOURNEYMAN

Gloves

Wire Pulling Gloves

- Great gripping ability
- Slim fit for better dexterity
- Touchscreen capability on index finger
- Neoprene wrist closure for comfort

NEW!



40233

Cat. No.	Size	Weight
40232 NEW!	Medium	8.0 oz. (227 g)
40233 NEW!	Large	8.0 oz. (227 g)
40234 NEW!	Extra Large	8.0 oz. (227 g)

High Dexterity Touchscreen Gloves

- Touchscreen capability on entire palm, all fingers, first knuckles
- Slim fit for extra dexterity
- Comfortable glove for light duty tasks

NEW!



40230

Cat. No.	Size	Weight
40229 NEW!	Medium	6.4 oz. (181 g)
40230 NEW!	Large	6.4 oz. (181 g)
40231 NEW!	Extra Large	6.4 oz. (181 g)

Cut 5 Resistant Gloves

- CE Cut Level 5
- CE Category II - For Intermediate Risk
- TPR on back of hand for extra protection
- Form fitted knit construction to better fit your hand
- Dipped for extra protection
- Neoprene wrist closure for extreme comfort

NEW!



40224

Cat. No.	Size	Weight
40223 NEW!	Medium	11.2 oz. (318 g)
40224 NEW!	Large	11.2 oz. (318 g)
40225 NEW!	Extra Large	11.2 oz. (318 g)



JOURNEYMAN™

Gloves

Leather Utility Gloves

- Durable and comfortable
- Open cuff for quick on/off
- DuraHide™ palm and leather first fingers for durability
- Stretch back for extra comfort and flexibility

NEW!

Cat. No.	Size	Weight
40226 NEW!	Medium	12.8 oz. (363 g)
40227 NEW!	Large	12.8 oz. (363 g)
40228 NEW!	Extra Large	12.8 oz. (363 g)

DuraHide™ is a trademark of Mechanix Wear, Inc.



40227

Utility Gloves

- Moisture wicking and breathable TrekDry™ stretch material on top with sponge foam and tricot lining for maximum comfort
- Durable synthetic leather palm
- Reinforced thumb and finger panels add protection and durability
- Wide opening elastic cuff for easy entry

Cat. No.	Size	Weight
40205	Medium	2.1 oz. (59 g)
40206	Large	2.1 oz. (59 g)
40207	Extra-Large	2.1 oz. (59 g)

TrekDry™ is a trademark of Mechanix Wear, Inc.



40206

Camouflage Gloves

- Mossy Oak® Break-Up Infinity™ pattern
- Moisture wicking and breathable TrekDry™ stretch material on top with sponge foam and tricot lining for maximum comfort
- Reinforced thumb and finger panels add protection and durability
- Single layer, seamless palm made of durable synthetic leather for improved fit and dexterity
- Soft molded rubber closure with hook and loop secures fit

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

TrekDry™ is a trademark of Mechanix Wear, Inc.

Mossy Oak® is registered trademark of Haas Outdoors Inc.



40209

See page 310 for additional information on warnings.

WARNING: Not flameproof or fire retardant. DO NOT expose to open flame or sparks.

JOURNEYMAN™

Gloves

"Cold Weather Pro" Gloves

- Palm and fingers lined with Thinsulate™ C40 with fingertip designed for improved dexterity
- 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
- Neoprene thumb and cuff for comfort and water resistance
- Molded rubber closure with hook and loop secures fit

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

Thinsulate™ is trademark of 3M



40212

"Grip" Gloves

- Armortex® rubberized grip on the fingers with reinforced synthetic leather palms and thumb for ample grip in both wet and dry conditions
- D30® padding material in the palm to absorb impact and vibration
- Moisture wicking and breathable TrekDry™ stretch material on top with sponge foam and tricot lining for maximum comfort
- Machine washable
- Flexible yet impact absorbing thermo plastic rubber (TPR) protects the fingers and back of the hand
- Neoprene cuff and soft molded rubber closure with hook and loop secures fit

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

Trek Dry™ is a trademark of Mechanix Wear, Inc.

D30® is a registered trademark of Design Blue Limited.

Armortex® is a registered trademark of Nam Liong Enterprise Co. Ltd.



40215

"Extreme" Gloves

- Flexible yet impact absorbing thermo plastic rubber (TPR) and EVA foam protects the fingers, knuckles and back of the hand
- D30® padding material in the palm to absorb impact and vibration
- Palm and thumb reinforced with synthetic leather for extra durability
- Breathable two-way stretch materials on top with sponge foam and tricot lining for maximum comfort
- Rubberized fingertips for extra grip
- Wrist closure with hook and loop secures fit

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

D30® is a registered trademark of Design Blue Limited.



40218



JOURNEYMAN™

Gloves

Leather Gloves

- Genuine professional grade leather offers the finest in protection and comfort
- Flexible yet impact absorbing thermo plastic rubber (TPR) protects the fingers and back of the hand
- Reinforced palm with 2mm EVA foam padding for impact protection
- Moisture wicking and breathable TrekDry™ stretch material on top with sponge foam and tricot lining for maximum comfort
- Machine wash and dry
- Neoprene cuff and soft molded rubber closure with hook and loop secures fit

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

TrekDry™ is a trademark of Mechanix Wear, Inc.



40220

Gloves

Cowhide Work Gloves

- Premium cowhide, soft and form-fitting for maximum comfort
- Gunn cut with seams away from wear surfaces
- Inseam index finger
- Shirred-elastic wrist back
- Natural light-tan color

Cat. No.	Size	Weight
40021	Medium	3.5 oz. (99 g)
40022	Large	3.7 oz. (104 g)
40023	Extra-Large	3.8 oz. (108 g)

Lined - Pile Lining

40016	Medium	5.8 oz. (164 g)
40017	Large	6.1 oz. (173 g)
40018	Extra-Large	6.6 oz. (187 g)



40022

Cowhide Driver's Gloves

- Tough, durable, sueded cowhide leather
- Easy-action thumb - unique design allows leather to conform to your thumb and hand (Cat. Nos. 40003, 40004, 40006)
- Thermolite® lining for warmth (Cat. Nos. 40014 and 40015)
- Gunn cut with seams away from wear surfaces
- Lap-seam index finger and shirred-elastic wrist back
- Gray color

Cat. No.	Size	Weight
40003	Small	4.8 oz. (136 g)
40004	Medium	6.4 oz. (181 g)
40006	Large	6.9 oz. (196 g)
40014	Large	7.7 oz. (218 g)
40015	Extra-Large	8.2 oz. (231 g)

*Thermolite® is a registered trademark for INVISTA certified performance fabrics containing proprietary INVISTA fibers and, in some cases, other companion fibers.



40014

See page 310 for additional information on warnings.

WARNING: Not flameproof or fire retardant. DO NOT expose to open flame or sparks.

Gloves

Medium and Long-Cuff Gloves

- Heavy sueded leather (Cat No. 40008)
- Soft, flexible, top-grain cowhide leather (Cat. Nos. 40010 and 40012)
- Leather fingers, palm, pull, and knuckle strap (Cat. Nos. 40010 and 40012)
- Gunn cut with seams away from wear surfaces
- Wing thumb, seamless index finger, elastic wrist-back strap
- Lined palm and fingers
- Rubberized, waterproof, bell gauntlet cuff 5" (127 mm) long (Cat. Nos. 40010 and 40012)

Cat. No.	Size	Cuff	Weight
40008	Large	Medium	7.7 oz. (218 g)
40010	Large	Long	9.4 oz. (266 g)
40012	Extra-Large	Long	10.9 oz (308 g)



40008

Lineman Work Gloves

- 4" Neoprene cuff with side vents
- Soft grain leather construction with reinforced leather patches
- Double-row padded knuckle for durability
- Black spandex back with Klein lineman logo patch

Cat. No.	Size	Weight
40080	Medium	7.4 oz. (210 g)
40082	Large	8.2 oz. (231 g)
40084	Extra-Large	8.8 oz. (249 g)
40086	Extra Extra-Large	9.4 oz. (266 g)



40080



Electrician's Gloves

- Durable construction allows flexibility
- Features slip resistant construction
- Spandex material is breathable and comfortable to wear all day
- Constructed with a reinforced area at the base of the thumb
- Elastic cuff for secure and comfortable fit
- Index fingers are wrapped with slip-resistant material
- Extended cuff for easy on/off

Cat. No.	Size	Weight
40072	Large	7.4 oz. (210 g)
40074	Extra-Large	7.7 oz. (218 g)



40072



Heavyweight Jersey Gloves

- Soft, comfortable, general-purpose gloves
- Made of 100% cotton jersey
- Knit wrist
- Dark-brown color

Cat. No.	Size	Weight
40002	Fits Most Hand Sizes	2.4 oz. (68 g)



40002