



HEAD-TO-TOE SAFETY SOLUTIONS FOR CONSTRUCTION INDUSTRY

Construction sites pose risks such as head injuries, slips, trips, falls, and falling objects. Effective safety measures and protective equipment are crucial to minimize these dangers and ensure worker safety.

\$11.4B

A YEAR LOST IN THE U.S.
CONSTRUCTION
INDUSTRY TO SERIOUS
NONFATAL WORKPLACE
INJURIES

\$3.22B

DIRECT COST DUE TO
FALLS TO LOWER
LEVELS

2.3M

CONSTRUCTION
WORKERS WORK ON
SCAFFOLDS

\$90M

WORKDAYS LOST DUE
TO SCAFFOLDING
INJURIES

50

DEATHS EVERY YEAR

4,500

INJURIES EVERY YEAR

Liberty Mutual 2023 Workplace
Safety Research Report

WORK SITE AREA



HAZARDS & RISK



SAFETY SOLUTIONS



FALL PROTECTION

- Latest ANSI-Certified SRLs
- Ergonomic designs for all-day comfort
- Confined space solutions



HEAD & FACE PROTECTION

- Meets & exceeds ANSI Safety Standards
- Proprietary solutions
- Ergonomic designs
- Interchangeable components



WORKWEAR & ELECTRICAL SAFETY

- Robust, rigorously tested workwear
- Arc Flash PPE
- Compliant electrical safety solutions



FOOT PROTECTION

- Meets & exceeds ASTM F2413-18 Standards
- Extended width and size solutions
- Reduce pain and fatigue



SLIPS, TRIPS, AND FALLS

- Indoor and outdoor traction aids – Spiked and Spikeless
- Intrinsically Certified
- All-weather overshoes – insulated & waterproof



ERGONOMIC FALL PROTECTION SOLUTION

Falls from height are a leading cause of workplace injuries and fatalities in the construction industry. Without proper fall protection equipment, workers are at high risk when operating on scaffolds, ladders, roofs, or unfinished structures.



- **Ergonomic Harnesses:** Contoured padding reduces fatigue for long-lasting comfort and can improve compliance.
- **Compliance & Safety:** Meets OSHA, ANSI, and CSA standards.
- **Superior Safety:** Trauma straps and wear indicators prevent injuries.
- **Shock-Absorbing Lanyards:** Reduce fall impact and offer flexibility.
- **User-Friendly Connectors:** Lightweight, secure, and corrosion-resistant.
- **Enhanced Worksite Efficiency:** Ergonomic designs boost comfort and productivity.

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MORE FALL PROTECTION SOLUTIONS



SELF-RETRACTING LIFELINES

- Quick braking to minimize fall distance.
- Corrosion-resistant and durable housing.
- Lightweight, compact design for ease of use.
- High-strength cables and impact indicators for reliability.
- Meets ANSI Z359.14-2021 and OSHA requirements.



LIFELINES AND ROPE GRABS

- Auto-locking, adjustable for secure positioning.
- High-strength, abrasion-resistant lifelines.
- Corrosion-resistant, durable materials.
- Simple installation for varying heights.
- ANSI and OSHA compliant.



FULL-BODY HARNESSES & BELTS

- Ergonomic design to for enhanced comfort.
- Stab Lock buckles for quick donning.
- High-visibility two-tone design
- Five adjustment points for secure fit.
- ANSI Z359.11 and CSA Z259.10 certified.



JACKSON[®] sellstrom[®]

PPE AND WELDING SOLUTIONS

The construction industry presents risks like falling debris, sharp objects, harmful substances, noise, and welding hazards. Workers face potential injuries to their eyes, face, and hearing, along with long-term health impacts.



- **Proven Expertise:** Nearly a century of leadership in safety solutions.
- **Innovative Designs:** Feature-rich products enhancing safety and satisfaction.
- **Comprehensive Protection:** Full range of welding, eye, face, head, and hearing protection.
- **Rigorous Testing:** Exceeds OSHA, ASTM, CSA, CE, and NIOSH standards for quality.
- **User-Centric:** Durable, comfortable designs boosting productivity in any industry.

WORK SITE AREA



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COMPLETE ABOVE-THE-NECK SAFETY SOLUTIONS

HEAD PROTECTION



- Hard Hat Interchange System for seamless integration with face shields and welding helmets.
- Compatible with other PPE for comprehensive safety.
- Meets ANSI Z89.1 standards for industrial protection.

EYE & FACE PROTECTION



- Polycarbonate face shields and anti-fog safety glasses for durability and clarity.
- Compatible with helmets and other PPE for complete protection.
- ANSI Z87.1 and CSA Z94.3-compliant for impact and splash safety.

WELDING SAFETY



- Auto-darkening helmets for better visibility and protection.
- Interchangeable with hard hats for continuous safety.
- Meets ANSI Z87.1 standards for welding protection.



SAFETY WORKWEAR SOLUTIONS

Hi-vis and FR workwear are crucial on construction sites to enhance visibility, protect against hazards, and ensure compliance with safety standards. They reduce the risk of accidents, provide durability and comfort, and help create a safer, more efficient work environment.



- **Unmatched Safety Standards:** Meets and exceeds industry requirements such as CSA, ANSI/ISEA, NFPA and ASTM.
- **Innovative Technology:** Advanced solutions in FR, weather protection, and durability.
- **Comfort and Fit:** Diverse sizes and styles provide proper-fitting PPE for men and women.
- **All-Weather Performance:** Reliable gear for extreme environments and changing conditions.
- **Legacy of Trust:** Trusted brands with a proven history of safety leadership and expertise.

WORK SITE AREA



HAZARDS & RISK



MORE SAFETY WORKWEAR SOLUTIONS



FR WORKWEAR

- Premium coveralls with a 2-way zipper, elastic waist, and 7 pockets.
- Mix and match button-up shirts, henleys, tees, pants, hi-vis vests and ultra-soft fleece hoodies.
- Suitable for electrical hazards



HEATED JACKETS

- Instant warmth with the touch of a button.
- Four adjustable temperature settings.
- Hi-vis bombers, softshell jackets, and fleece hoodies.



RAINWEAR

- Hi-vis options ensure safety in low visibility.
- 3-Piece rainsuits include waterproof jacket, hood, and bib pants.
- Insulated jackets and bib pants.



ELECTRICAL SAFETY SOLUTIONS

Electrical safety workwear is essential on construction sites to protect workers from electrical hazards, enhance visibility, and ensure compliance with safety standards like NFPA 70E and ASTM F1506. They reduce the risk of electrical accidents, provide durable protection, and contribute to a safer, more efficient work environment.

- **Standards Leadership:** Influences industry safety standards through active participation in ASTM and ANSI committees.
- **ISO Certified:** ISO 9001 accreditation ensures consistent quality and excellence.
- **Full Compliance:** Meets NFPA 70E, CSA Z462, ASTM F1506, and ANSI Z87.1 standards for maximum safety.
- **Innovative Solutions:** Advanced technologies like TCG™ lenses enhance safety and visibility.
- **Proven Expertise:** Decades of experience delivering reliable electrical safety solutions.

WORK SITE AREA



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MORE ELECTRICAL SAFETY SOLUTIONS



TECHNICAL SERVICES:

- Electrical Safety programs
- Training options
- Custom consulting services
- Engineering services
- Site Audits
- PPE Assessments and Testing



ARC FLASH FACE SHIELDS

- Nearly clear True Color Grey lens technology provides 100% true color acuity.
- Anti-scratch and anti-fog coatings.
- Industry-best optical clarity and impact protection.
- Easy Lift front available.



ARC FLASH SUIT HOODS

- Includes Oberon Arc flash face shield.
- Beekeeper hood design is the safest, most complete arc flash protection.
- Easy snap assembly and disassembly.



SAFETY FOOTWEAR SOLUTIONS

The construction industry is filled with risks like slips, trips, falls, punctures, heavy impacts, and harsh environments. Uneven surfaces, falling debris, and wet floors can cause injuries or fatigue.



- **Comprehensive Protection:** A wide range of safety toe options and features like slip-resistant soles and anti-perforation midsoles.
- **All-Day Comfort:** Ergonomic designs and cushioned insoles reduce fatigue.
- **Versatile Options:** Styles range from lightweight athletic shoes to rugged work boots.
- **Inclusive Sizing:** Available in a wide range of sizes, including larger options, to accommodate every worker.
- **Advanced Technology:** Water-resistant uppers, moisture-wicking linings, and heat resistance enhance safety and functionality.

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HAZARDS & RISK



MORE FOOTWEAR STYLES



AVENGER WORK BOOTS

- Built to endure tough conditions.
- Available in wide sizes.
- Different safety toe options available.
- Meets strict safety compliance.



NEW BALANCE

- Built on 100+ years of performance expertise.
- Safety toes, slip resistance, and hazard protection.
- Long-lasting with sleek, modern designs.



**MEGA
COMFORT**

ERGONOMIC ANTI-FATIGUE SOLUTION

Construction sites are filled with sharp hazards like nails and glass, posing risks of puncture injuries. Workers also endure long hours on hard, uneven surfaces, which can lead to musculoskeletal disorders (MSDs) such as joint pain and back strain.



- **Patented Dual-Layer Memory Foam:** High-density, 100% memory foam absorbs shock.
- **Flexible Anti-Puncture Barrier:** Exceeds ASTM F2413-11 standards, flexibility for ease of movement.
- **Clinically Proven Comfort:** Developed and field-tested to reduce pain and fatigue.
- **Injury Prevention:** Protects against puncture injuries
- **Reduced Musculoskeletal Strain:** Alleviate pressure on joints and muscles
- **Improved Comfort and Endurance:** Relieves foot strain, enabling construction workers to remain comfortable and productive all day.

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MORE ERGONOMIC SOLUTIONS



ERGO ANTI-FATIGUE

- Patented dual-layer memory foam
- Ergonomic design
- Soft, contoured arch support
- Silver ion antimicrobial technology
- Machine washable



ERGO FIRM SUPPORT

- Firm arch support
- Patented dual-layer memory foam
- Cost-effective orthotic alternative
- Enhanced heel stability and motion control
- Ergonomic design



ERGO THERMAL

- Solarcore Thermal Technology
- Patented dual-layer memory foam
- Ergonomic design
- Soft, contoured arch support
- Designed for cold environments



ALL-WEATHER PROTECTION.

Extreme weather conditions bring significant hazards to the construction industry, with icy, snowy, and slushy surfaces creating dangerous walking conditions. Slippery terrain increases the likelihood of slips and falls, one of the leading causes of injuries on job sites.



- **Insulation & Waterproof Protection:** Durable nylon uppers provide 100% waterproofing and keep feet warm and dry in wet environments.
- **Enhanced Traction:** Multiple outsole options, including removable studs, provide superior grip and reduce slip risks.
- **Versatile Design:** Fits over everyday footwear, accommodating various styles and sizes.
- **Lightweight & Packable:** Easy to pack and carry, ensuring readiness for changing weather.
- **Long-Lasting Durability:** Advanced materials deliver reliable performance in extreme conditions.

WORK SITE AREA



SCAFFOLDING



LADDER USE



ROOFING/
DECKING



STRUCTURAL AND
CONCRETE WORK



AERIAL LIFTS

HAZARDS & RISK



WORKING AT
HEIGHTS



HEAD,
FACE & EYE



LOW
VISIBILITY



ELECTRICAL
HAZARDS



FOOT
INJURY



FATIGUE/
ERGO RISKS



SLIPS,
TRIPS, FALLS



SLIPS ON WET OR
MUDDY SURFACES



FALLS ON
UNEVEN TERRAIN



RISK OF
FROSTBITE AND
HYPOTHERMIA



ICE AND SNOW
HAZARDS



CLIMBING
RISKS



EXPOSURE TO
ELECTRICAL
HAZARDS

MORE OVERSHOE SOLUTION

VOYAGER GP



- Insulated -18°C/0°F.
- Ballistic nylon upper keeps feet dry.
- GripPro technology for superior grip.
- Lightweight and secure over existing footwear.

KLONDIKE GP



- Insulated -29°C / -20°F.
- GripPro technology for superior grip.
- W-Strap ensures a snug fit over footwear.
- Glove Grip enables easy adjustments.
- Flex Tongue enhances fit and flexibility.

ADVENTURER



- Insulated -18°C (0°F).
- 500 denier nylon upper – windproof.
- Keeps feet dry in snow and slush.
- Perma outsole for secure footing.
- Provides stability on diverse terrains.



INDOOR & OUTDOOR TRACTION SOLUTIONS

Extreme weather conditions bring significant hazards to the construction industry, with icy, snowy, and slushy surfaces creating dangerous walking conditions. Slippery terrain increases the likelihood of slips and falls, one of the leading causes of injuries on job sites.

- **Indoor and Outdoor Solutions:** Spiked and spikeless options for icy outdoor and slip-resistant indoor use.
- **Diverse Range:** Mid-sole, heel-stop, and full-foot designs for various needs.
- **Footwear Versatility:** Fits industrial boots and casual shoes for any environment.
- **Award-Winning:** Recognized for excellence in winter safety products.
- **User-Centric Design:** Enhanced comfort and functionality from professional feedback.
- **Durable and Reliable:** Built to withstand harsh conditions and ensure long-lasting safety.

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MORE TRACTION SOLUTIONS



DUE NORTH ALL PURPOSE

- Superior grip (12 tungsten carbide spikes per pair)
- Easy on/off and flexible fit
- Ladder-friendly



DUE NORTH GRIPPRO SPIKELESS

- Spikeless for grip on ice and snow without damaging indoor surfaces
- Easy on/off and flexible fit
- Ladder-friendly



K1 SERIES MID-SOLES

- Easily rotate from spikes to spikeless
- Superior grip and durability
- Available in 4 profiles and Intrinsic for hazardous environments