



Ergodyne's stylish Baldr full-frame safety eyewear is available in 35 frame and lens combinations that meet ANSI Z87.1+, CSA Z94.3, and MIL-PRF 32432 Ballistic Impact requirements.

optimize work positioning to maximize worker efficiency.

"Journeyman FLEX Aluminum and Steel series harnesses embody the interest and feedback we captured from users during the development process," Shipley says. "All Journeyman FLEX harnesses are tough and available in numerous options for whatever job situation you or your team need to tackle."

#### ERGODYNE

Currently, an emphasis in eye protection design is on creating options that allow safety glasses to be customized for the individual worker and the task at hand. This includes options like anti-fog technology, polarization and impact protection beyond the ANSI standard.

Manufacturers are also trying to make even inexpensive glasses look "cool," to produce PPE that workers will want to wear outside of work. There is hot competition to meet the worker's personal style taste.

"These trending performance and design characteristics are reflected in our Skullerz Safety Eyewear, including our latest models: Baldr and Skoll," says Jim Grider, Ergodyne product manager. "Baldr is a durable, full-frame safety glass that provides broad visual coverage,



GRIDER

while Skoll is a lightweight option with a sleek blade design that still delivers maximum visibility.

"Both models demonstrate how we deliver all the required UV, glare and impact protection, while offering a wide range of frame, lens and color options to meet personal style preferences at the same time. That combination of safety and good looks usually translates into consistent employee compliance."

Another trend is in head protection for tasks that don't specifically

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# PPE & FALL PROTECTION

## STYLE AND COMFORT COME TO THE RESCUE

Today's safety products have some serious *style*. Not only do they look great and fit well, new technologies make them lighter, stronger and more durable than ever. Yes, we knew the job was dangerous when we took it, but that doesn't mean we can't look *good*. This is the future of functional fashion.

#### FALLTECH

FallTech, an innovator and leader in fall protection equipment for workers at heights, has re-engineered and is launching an update to its work-duty harness, the Journeyman FLEX.

"When re-engineering the Journeyman FLEX harness line we had to keep an eye on the attributes of the product that have made it a success with the American worker — a tough harness at a good value," says Jeff Shipley, director of marketing for FallTech.

"The Journeyman FLEX harness line's upgrades deliver comfort, durability and value to workers in both models, aluminum and steel. Built for the toughest work



FallTech's Journeyman FLEX Aluminum and Steel harnesses are rated to a 425-pound capacity and comply with OSHA regulations and ANSI standards.

environments, the Journeyman FLEX line offers a variety of full-body harnesses for construction and general industry.

"We know there are numerous applications for full-body harnesses, we had to make sure we addressed them in our Aluminum and Steel series models with the correct configurations users require," Shipley continues.

Some of the new attributes engineered into the Journeyman FLEX are enhanced padding with air mesh linings that allows better air circulation with moisture wicking properties for all day comfort; easy to adjust proprietary CamLock torso adjusters on the aluminum models that allow quick, simple, one-handed adjustment that locks in place throughout the day; and Visi-Lock Quick Connect buckles on the chest and legs with a visual indicator that displays green when properly fastened.

Journeyman FLEX harnesses also feature webbing with a tighter construction for added strength and durability while maintaining pliability for ease of movement. Finally, strategically positioned hip D-rings



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require hard hats, but put workers at risk, especially in confined spaces. Bump caps, which incorporate a protective polycarbonate shell within a typical baseball cap, are growing in use in transportation, public utilities and other industries. Ergodyne is serving this specialized area with a new line of bump cap systems and cap inserts that are due out this fall.

**GATEWAY SAFETY**

Gateway Safety is one of the most established and successful manufacturers of personal protective equipment in the industry, creating award-winning, cost-effective safety products in eye, face, head, hearing and respiratory protection. Gateway Safety works hard to produce safety products that workers



LOVE

The new N95 and N100 TruAir respirators from Gateway Safety feature large molded shells for less breathing resistance and an adjustable metal nosepiece for a tight seal.

want to wear — helping companies increase safety compliance, improve the overall welfare of their employees and reduce the high costs of workplace injuries.

Recently, Gateway announced two new NIOSH-approved disposable respirators in its growing line of respiratory protection. The TruAir family, the company's traditional-style line of respirators, is introducing R95 and N100 products. R95 respirators filter at least 95 percent of particulate aerosols below the Permissible



Exposure Limit (PEL), and N100 respirators provide 99.99 percent filtration of particulate aerosols free of oils below the PEL.

"These R95 and N100 products allow us to offer a very broad range of disposable particulate respiratory protection, while maintaining our market position as a value-priced safety manufacturer," says Gateway Safety vice president, Matthew Love.



Radians has recently released six new gloves with Dyneema Diamond technology which enhances cut resistance while weighing 40 percent less than aramid fiber.

The TruAir respirator family now provides N95, N99, N100, R95 and P100 solutions. Though covering a variety of filtration levels, all TruAir products offer the same great features: a large, molded shell to reduce breathing resistance and minimize end-user fatigue; an adjustable metal nosepiece for a tight seal around the nose; and latex-free, dual elastic head straps to help with a secure fit.

Gateway has also added a two-pack baggie option for vending machine facilities or retail displays. This packaging option is currently

available for the N95 products in the TruAir line as well as PeakFit, another popular Gateway respiratory line.

**RADIANS**

The U.S. Bureau of Labor Statistics (BLS) reports that 70 percent of workers who experienced hand injuries were not wearing gloves. Moreover, the remaining 30 percent of injured workers wore gloves but were injured because their gloves were inadequate, damaged, or the wrong type of glove for the immediate hazard.



KELSEY

"The BLS says that hand injuries are the second leading cause of work-related injury and the most preventable, yet hand injuries send more than one million workers to the emergency room annually," says Bob Kelsey, Radians glove product manager. "Wearing gloves has been proven to reduce the relative risk of injury by 60 percent. So why aren't workers wearing gloves?"

Getting workers to wear gloves consistently is a daunting and common challenge for safety

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12-24 x 1-1/4" - 12-24 x 3"	8-18 x 1/2" - 14-14 x 3"	10-24 x 1-7/16"
6-20 x 3/8" - 10-16 x 3"	6-20 x 1" - 10-16 x 5"	6-20 x 1-5/8" - 8-18 x 3"
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professionals. Two common objections include, “These gloves are hot, awkward and uncomfortable,” and “This glove is too bulky — it just gets in the way.”

Savvy manufacturers are listening to the “uncomfortable” objections and are taking glove comfort seriously by manufacturing gloves made with Dyneema Diamond technology, which is the new standard in cut protection, providing double to triple improvement in cut resistance with gloves that are 40 percent lighter than aramid fiber.

The thin fiber and unique polymer also enhance comfort. Benefits of Dyneema Diamond technology gloves include better feel and control, radiating heat away from hands for all day comfort, high strength and increased cut resistant without fiber-glass discomfort. Dyneema Diamond gloves are also washable.

“Just last month, Radians released six new gloves featuring Dyneema Diamond technology,” Kelsey continues. “It’s like having everything you want in a glove plus the bonus of a wide range of customizable vibrant colors and also Black Dyneema Diamond technology for EN388 2016 (ISO13997) level D and ANSI/ISEA 105-16 A4 standards.”

**PIP/PROTECTIVE INDUSTRIAL PRODUCTS**

“The shift from General Purpose gloves to Cut-Resistant gloves has been, by far, the biggest trend in hand protection,” observes Joe Milot Jr., senior product manager of hand protection for PIP. “While there are a few reasons for this, the most important is the fact that safety managers and workers are realizing that cuts and abrasions are possibilities with almost every task — so why chance it?”

Even a non-recordable injury that



requires only a bandage can cost a few thousand dollars when one considers the delays and lost productivity taken to treat the worker on site. Advancements in cut-resistant fibers have and are continuously producing breakthroughs in nanotechnology have produced graphene-based fibers, such as G-Tek Supreme, that are proving to be very effective in coated seamless knit gloves.



MILOT

“Until recently, High Performance Polyethylene, or HPPE, was seen as one of the best cut-resistant fibers,” Milot continues. “However, recent innovations have added mineralized-based materials, such as G-Tek Polykor Xrystal, to form yarns of unprecedented strength. Finally, even traditional aramid fibers, such as G-Tek Kev are now being engineered with proprietary core technology for stronger yarns that offer unparalleled next-to-skin comfort.”

In the past five years, safety eyewear design has advanced to the

**G-Tek Supreme ANSI Cut Level 4 cut-resistant gloves from PIP feature material that is 100 times stronger than steel. A Neofam coated palm lends grip — and they are washable too!**

point where premium styles are comparable to fashion branded eyewear. Today’s worker has more choice in styling and technology than ever.

“Recent innovations have produced many effective technologies; one in particular is Fogless 3Sixty,” explains Kurt Matejka, product manager for eye and face protection. “Fogless 3Sixty technology makes eyewear highly fog resistant. It features permanently bonded hydrophobic coatings that make transitioning between warm and cool environments, working in humid or wet environments or wearing eye protection combined with respiratory equipment practically unnoticeable.

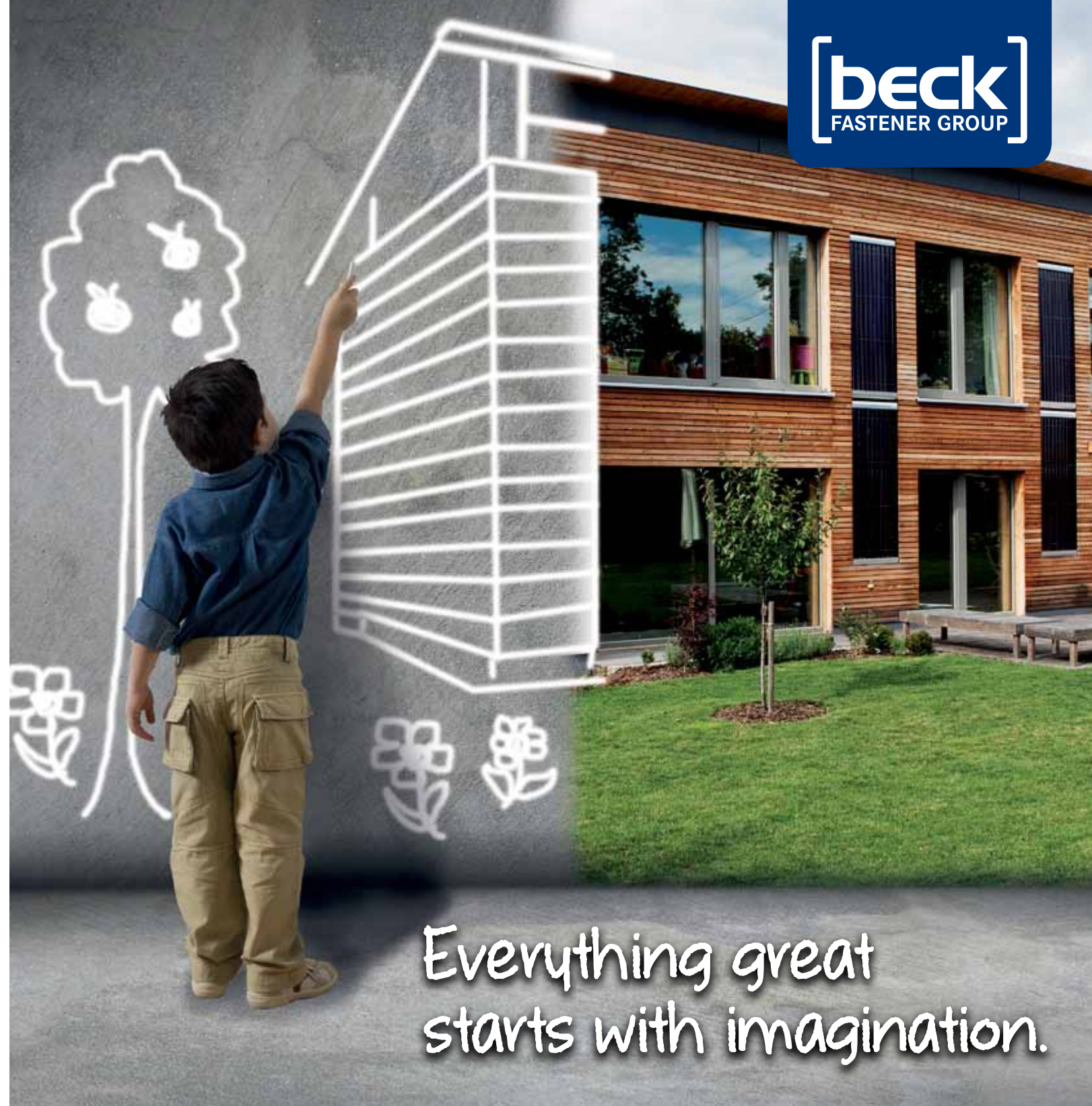


MATEJKA

“It is important to note, however, that advanced fog-resistant lens technology performs infinitely better and longer than generic anti-fog lenses offered on many low-cost models, thus keeping workers safer, that much longer,” Matejka adds. **CS**

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