



They said it couldn't be done...



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BALLANTYNE GEAR, INC.

An Innovative Approach to Fall Protection

In 1995, OSHA required workers subject to a fall hazard of six feet or greater to use fall protection. After complaints that technology did not exist for residential fall protection. In 1999, OSHA made an interim policy change that modified fall protection requirements so that they did not have to use conventional fall protection.

Most sloped roof workers don't use fall protection. The ones that do, mostly use vertical fall protection, with nails and screws damaging the roof, from a single point anchor—like an anchor nailed to the roof top. This fall protection is designed to go straight down the side of the roof, and is usually not OSHA compliant for horizontal jobs such as roofing, solar installation, Christmas lights installation, etc. The fall protection industry needed an **innovative** approach to tackle the many complex issues both workers and businesses faced.

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Fall Protection Reimagined

Many safety professionals in the industry told us that residential fall protection was not feasible due to wide variety of architectural designs; and because you could not protect a user at a ten-foot fall hazard. The latter is generally true on a flat roof; however, we have **reimagined** what's possible and found how to protect up to 8 sloped roof workers at a ten-foot fall hazard in fall restraint and fall arrest.



Creating our design and methods of the Ballantyne Gear Eveook Fall Protection System was challenging. We set out to create a system that would **revolutionize** the approach to sloped roof safety, and we weren't willing to compromise.

Our system needed to:

- Protect the installer
- Avoid swing falls
- Protect on the roof and the ladder
- Make work safer, easier, and faster
- Be strong and lightweight
- Protect the roof from damage
- Protect workers from injuries and death
- Protect businesses from unnecessary risks



The Ballantyne Gear Eveook Fall Protection System **defies the odds** of what other safety professionals said couldn't be done...

WE DID IT.



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Technological Breakthroughs

After more than ten years of research and development, testing at independent ISO 17025 labs, and testing on-site in real applications, in 2020, the Ballantyne Gear Eveook System was certified by our Professional Engineer Greg Small, PE, P.Eng, M.Eng., to the ANSI Z359.6 and CSA Z259.16 standards, exceeding OSHA requirements for use by **up to eight users per system.**

These technological breakthroughs are important now more than ever. The current statistics of fatal injuries in the fall protection, construction sector are staggering.

CONSTRUCTION FALLS ARE PREVENTABLE.

The astonishing fact that year after year on-the-job fatalities due to falls, slips and trips to a lower level continue to result in so many deaths and serious injuries, must compel each of us to change how we approach fall protection - **full stop.**

With the adaptation of our Ballantyne Gear Eveook Fall Protection System in your business, you're not only protecting your people—you're protecting your profits.

Let us show you how...



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STOP PRETENDING

START PROTECTING

FALL PROTECTION STATISTICS

Most Cited OSHA Violation

14th consecutive year that Fall Protection, Construction tops the list

20% of All Workplace Deaths occurred in **construction industry**

38.4% of Workplace Deaths listed above were due to **falls, slips & trips**

~47.4% of ALL Fatal Falls, slips, & trips in any industry were in the construction industry

39.8% Increase of Fatal Injuries in construction while rate increased 3.3%

Construction accounts for 19.9% of ALL on-the-job fatalities but only 7.5% of employment

2.5x Greater Fatality Rate in construction than all other industries



MAKE SAFETY A PRIORITY

[Our Story](#)

[Ballantyne Gear](#)

[Meet Our Professional Engineer](#)

[Greg Small, PE, P.Eng., M.Eng.](#)

[Ballantyne Gear Recognized by CPWR](#)

[National Institute for Occupational Safety & Health](#)



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Your Fall Protection is Falling Short



NO FALL PROTECTION



UNPROTECTED INSTALLER



FAKE FALL PROTECTION



**NAILS AND SCREWS
DAMAGE ROOFS**



**SWING FALLS FROM
SINGLE POINT ANCHORS**



**MULTI-EMPLOYER
CITATION POLICY**

"Flent has put an amazing amount of effort into the safety factors associated with the Eveook components, particularly the casting. I work with cast aircraft structure components that do not have safety factors as high!"

Randy Oehrlein, Chief Engineer
Carley Foundry





No One Does It Like Us

- ✓ Certified Engineered System to ANSI Z359.6-16 and CSA Z259.16-15 to hold up to 8 users per system
*as specified in the technical manual
- ✓ Lightweight - hooks weigh ~ 20 lbs and hold more than 9,000 lbs each
- ✓ Installer is protected from falls
- ✓ Focus on Fall Restraint - works in both fall restraint and fall arrest for up to 8 users per system
- ✓ Non-penetrating —no nails or screws
- ✓ Slidable anchor points to easily cover more work area of the roof
- ✓ Works on slopes from 4:12 to 16:12
- ✓ Works on almost all roofing materials
- ✓ Help businesses reduce workers compensation premiums
- ✓ Quick set up - truck to roof in 15 mins
- ✓ Customizable to fit your unique needs

Protect Your People AND Your Profits. Mitigate your risks across the board.

PEOPLE



Prevent Injuries & Fatalities

Protects workers from falls, injuries, & death helping reduce stress on the job & improved mental health

Exceeds OSHA standards gives peace of mind, leading to increased production & a reduction of liabilities



Mitigate Risks & Liabilities



Minimize Downtime

Workers focus on tasks with confidence reduces injuries & improves performance



Increase Morale & Retention

Workers feel secure & valued, increases job satisfaction & can combat the construction worker suicide epidemic



Protecting Business Assets

Provides safer working conditions, fewer accidents, protects customer's assets & reduces downtime

PROFITS

Protects businesses from increased workers compensation premiums, lawsuits, & OSHA fines

A product that exceeds legal requirements reduces exposure to liabilities and increases overall reputation

Fewer accidents lead to less downtime, lost business, & protects profits

High morale contributes to lower turnover, saving money on hiring, training & ensures a skilled workforce remains in place

Protects your operating costs because it reduces injuries, property damage, workers comp claims, fines & lawsuits



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KEY DIFFERENCES



Industry NORM

- | | | |
|---|---|---|
| ✓ | 1st installer is protected from the ground to the roof | ✗ |
| ✓ | System installed before you get on the roof | ✗ |
| ✓ | Dangerous Swing Falls Avoided | ✗ |
| ✓ | Soffits & roof is protected—no holes or screws | ✗ |
| ✓ | Certified ANSI & CSA Engineered System to hold up to 8 users per system | ✗ |
| ✓ | One and Two-Person Installation Methods | ✗ |
| ✓ | Designated as a work system to make jobs easier and improve efficiency | ✗ |



CLIENTS INCLUDE



“The introduction of the Eveook fall restraint and arrest system has revolutionized the way we approach our solar rooftop installations. It is an invaluable asset that not only safeguards our workers, but also contributes to a more efficient and successful project.”

**Jaime Hernandez, Safety Engineer
City of Los Angeles - Department of
Water and Power**

“Our team participated in a two-day training with Ballantyne Gear and left extremely confident on how to utilize the fall protection system. Their team is very knowledgeable and experienced with assisting on specific roof applications. Training was hands-on and paced appropriately. While the system is extremely user friendly, the training gave our team insight on utilization. I cannot recommend the system and training highly enough!”

**Adam Sartin, President Christmas Décor
by My Ground Crew**



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CERTIFICATIONS

The Ballantyne Gear Eveeok Fall Protection System is certified to the ANSI Z359.6-16 and CSA Z259.16-15 standard as an engineered fall protection system for sloped roofs on residential and commercial buildings for up to **8 users per system in fall restraint and fall arrest**, when used as specified in the technical manual.

Testing performed at an independent ISO 17025 accredited laboratory. Also, meets US OSHA CFR 1910.140 Appendix D, CFR 1926.501 (b) (13), CFR 1926.502 Appendix C, and ANSI Z359.18.



Contest Finalist & Cover Feature in Modern Casting Magazine



Ballantyne Gear products are proudly made, manufactured, and tested in the USA.

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