

White Paper Draft: Gaining Efficiency with the LogiRatchet Strap®

Introduction

In today's fast-paced logistics environment, efficiency is everything. Every second lost in the loading process compounds across hundreds of shipments—translating to labor costs, dock congestion, and missed delivery windows. That's why Logistick developed the **LogiRatchet Strap®**: a reusable, high-strength freight securement system designed to outperform traditional banding and buckle methods in speed, simplicity, and sustainability.

Live-Load Testing Methodology

To ensure realistic and repeatable data, two logistics professionals conducted timed installations of both the **LogiRatchet Strap®** and **traditional banding and buckle systems** in standard loading and installation conditions. Each individual completed timed trials using each method with Logistick's Strapping Anchors.

Installation Time Results

Securement Method	User 1	User 2	Average Time
LogiRatchet Strap®	1:11, 1:37	1:15, 1:18	1 minute 20 seconds
Banding & Buckles	4:08	4:06	4 minutes 7 seconds

Time Saved Per Securement Set: 2 minutes 47 seconds

Scaling the Advantage

Let's quantify what these time savings look like in a real-world operation:

Scenario 1: 1 Securement Set Per Load

- **Loads per Day: 20**

- **Daily Time Saved:** 56 minutes
- **Annual Workdays:** 260
- **Annual Time Saved: 243 hours** (~10.1 full workdays)

Scenario 2: 2 Securement Sets Per Load

- **Loads per Day:** 20
- **Daily Time Saved:** 112 minutes (1 hour 52 minutes)
- **Annual Time Saved: 486 hours** (~20.3 full workdays)

Even modest improvements in install time—less than 3 minutes per load—compound into massive annual labor savings and faster throughput.

Beyond the Clock: The Broader Business Impact

- **Labor Efficiency Gains**
Reduce overtime and redeploy labor to more value-added tasks.
- **Faster Dock Turnarounds**
Get trailers out faster, reduce congestion, and maximize dock availability.
- **Reusability, Simpler Training**
The intuitive ratchet system minimizes training time and can be reused in circular supply chains, saving money where banding and buckles are limited to one time use.

Conclusion

The LogiRatchet Strap® doesn't just secure freight—it streamlines operations. In an industry where every minute counts, switching to a faster, safer, and reusable securement method like LogiRatchet pays measurable dividends.

Ready to Maximize Efficiency?

Talk with a Freight Securement Specialist today to learn how the LogiRatchet Strap® can transform your operation's productivity.