

A Guide to Innovative Railing Systems

A Head-to-Head Comparison of Kee Klamp Fittings and Traditional Fabricated Methods



SEPARATING PEOPLE FROM HAZARDS

Industry Insights

Revolutionizing Safety Systems: The Superiority of Kee Klamp Fittings over Fabricated Railings

Kee Klamp fittings offer superior safety, efficiency, and cost-effectiveness compared to traditional fabricated railings. They are simple to install, require minimal technical knowledge, and create a secure and reliable structure with heavy-duty material construction and galvanized steel. Furthermore, Kee Klamp fittings can be modified on site without the need for welding - making projects faster to complete. They are also highly resistant to rust and will last for many years.



Easy Assembly

Kee Klamp requires no welding or threading, making it ideal for DIYers or anyone who doesn't have a lot of experience building structures. With its simple slide-and-lock mechanism, you can assemble your project quickly and easily.



Durability

Made from galvanized steel, Kee Klamp components are designed to last for years without rusting or corroding in even the harshest environments.



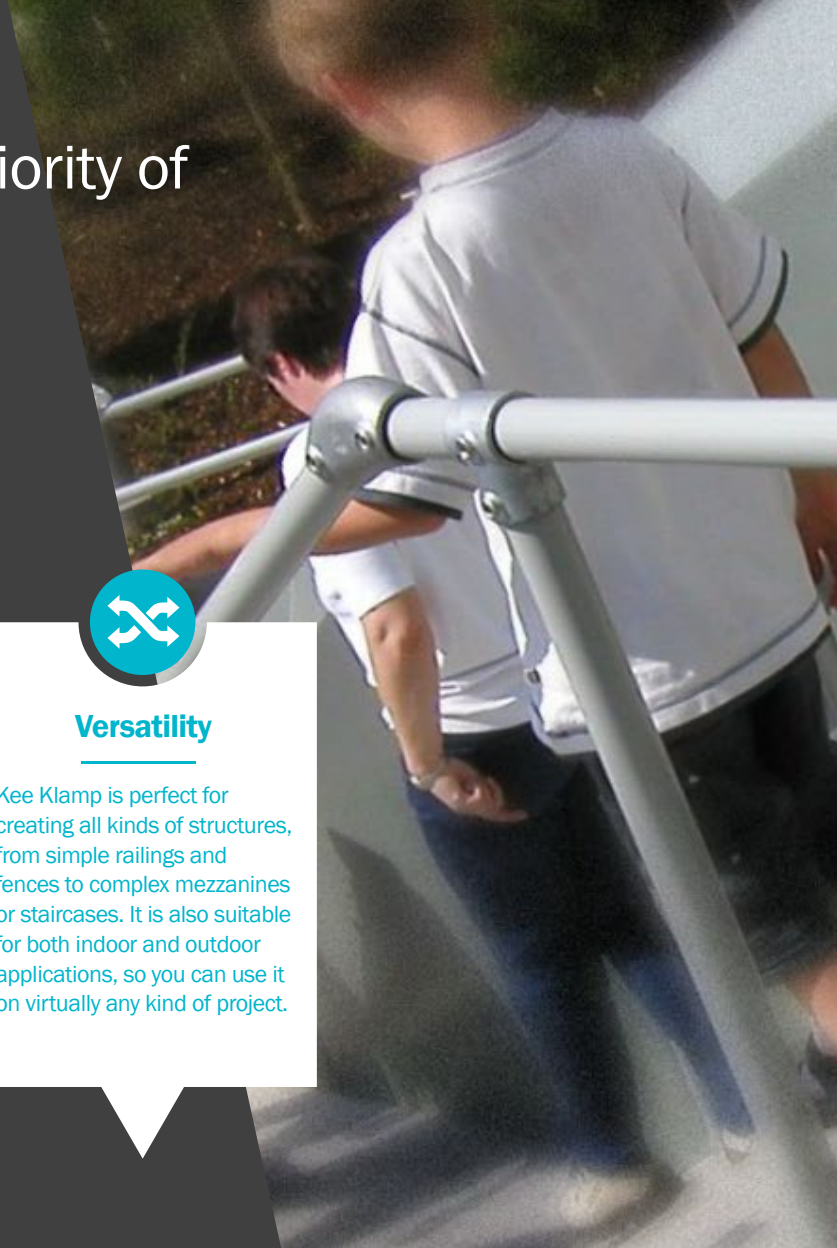
Cost Efficiency

By using Kee Klamp parts instead of buying pre-manufactured products, you can save money by purchasing only what you need for your particular project—and the pieces are reusable should you need them again in the future.



Versatility

Kee Klamp is perfect for creating all kinds of structures, from simple railings and fences to complex mezzanines or staircases. It is also suitable for both indoor and outdoor applications, so you can use it on virtually any kind of project.



Discover the Cost Benefits of Kee Klamp

Material Costs

Kee Klamp fittings offer cost savings through their durable and reusable design. Made of galvanized steel, they last longer and require less maintenance than traditional fabrication materials, resulting in reduced material costs. Additionally, their easy reconfiguration and modification capabilities add to material cost savings.

Labor Costs

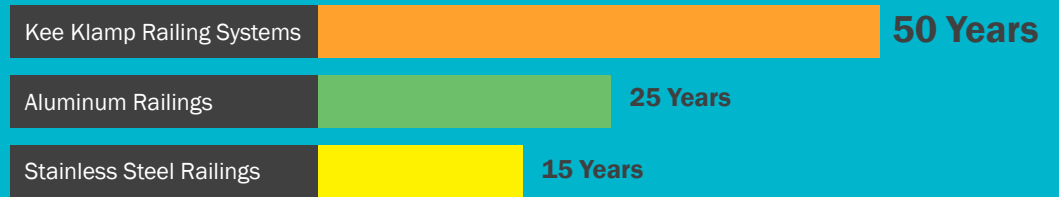
Kee Klamp fittings can save on labor costs compared to traditional fabrication methods. Kee Klamp fittings are easy to install and do not require welding, cutting or drilling, which can save on labor costs. Additionally, Kee Klamp fittings allow for fast and easy adjustments, which can save on labor costs in case of adjustments.

Kee Klamp Fittings: The Cost-Effective Fall Protection Solution

- Kee Klamp requires fewer materials for installation, making it more cost-effective than traditional fabrication methods.
- Installation time with Kee Klamp is significantly less when compared to welding or bolting fabricated railings together, with some installations taking around 25% of the time.
- Maintenance costs associated with Kee Klamp are minimal due to its corrosion resistance and strength, while fabricated railings require regular maintenance and replacement.

Galvanized Steel: The Long-lasting Railing Solution

A study by the International Association of Sheet Metal, Air, Rail, and Transportation Workers found that galvanized steel railings have a lifespan of up to 50 years, compared to 25 years for aluminum railings and 15 years for stainless steel railings.



According to a case study by Kee Safety, one customer was able to **reduce their labor costs by 50%** by using Kee Klamp fittings instead of traditional fabrication methods.



A survey by Construction Manager magazine also found that the use of pre-fabricated components, such as Kee Klamp fittings, can lead to **labor savings of up to 25%**.



Occupational Safety and Health Administration (OSHA) found that employers can **save up to 40% on fall protection costs** by using pre-engineered systems, such as Kee Klamp fittings, instead of traditional fabrication methods.

Kee Klamp Fittings: Streamlining Safety Systems



Logistics

Using Kee Klamp fittings also offers advantages in terms of logistics. Kee Klamp fittings can be easily transported and stored, as they take up less space than traditional fabricated railings. Additionally, Kee Klamp fittings are lightweight and easy to handle, which makes them easier to transport and install. This can save on shipping costs and make the installation process more efficient.

A study by the National Safety Council found that using pre-fabricated systems, such as Kee Klamp fittings, **can reduce the number of on-site workers needed for installation by up to 50%.**



Shipping

Using Kee Klamp fittings can also save on shipping costs. The fittings are lightweight and easy to handle, which makes them more cost-effective to transport than traditional fabricated railings. Additionally, Kee Klamp fittings take up less space, which can save on shipping costs.

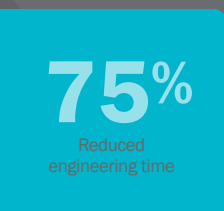
According to a study by the Institute of Industrial Engineers, using pre-fabricated systems, such as Kee Klamp fittings, **can reduce shipping costs by up to 40%.**



Design Phase

The design phase of a fall protection system can be simplified with the use of Kee Klamp fittings. The fittings offer a wide range of options for customization, allowing for a greater degree of flexibility in the design of the system. Additionally, Kee Klamp fittings allow for fast and easy adjustments during the design phase, which can save on labor costs.

A study by the National Institute for Occupational Safety and Health (NIOSH) found that using pre-engineered systems, such as Kee Klamp fittings, **can reduce the design and engineering time for fall protection systems by up to 75%.**



Accelerating Fall Protection with Shorter Lead Times

Achieving Shorter Lead Times with Kee Klamp

One of the main advantages of using Kee Klamp fittings in fall protection systems is the shorter lead time that they offer. Traditional fabricated railings often require a longer lead time for production, delivery, and installation. This can lead to delays and added costs in the construction process. Kee Klamp fittings, on the other hand, are designed for fast and easy assembly, reducing the lead time needed for installation. The fittings are pre-galvanized and do not require additional coating, which also reduces lead time.

Shorter Lead Times in Shipping

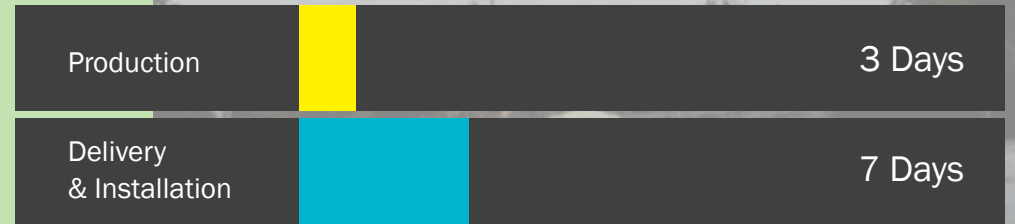
Kee Klamp fittings also offer shorter lead times in shipping, as they are lightweight and easy to transport and handle. This makes them more efficient to ship and eliminates the need for additional crating or packaging. Additionally, the use of Kee Klamp fittings reduces the need for welding permits and the amount of waste generated during installation. This further reduces lead times and streamlines the installation process.

Faster and More Cost-Efficient Safety Systems with Kee Klamp Fittings

Overall, Kee Klamp fittings provide a more efficient and cost-effective solution for fall protection systems, with shorter lead times. The ability to reduce lead time in both production and shipping can greatly benefit contractors and construction companies by providing a faster and more streamlined process, ultimately saving time and money.

Average Lead Times for Kee Klamp vs Fabricated Railings

Kee Klamp



Fabricated Railings



Based on average lead times.



Proven Longevity and Durability of Kee Klamp Fittings

Kee Klamp fittings offer a number of advantages over fabricated railings when it comes to durability and longevity. The galvanized steel material used in the construction of Kee Klamp fittings is corrosion-resistant, which makes them much more durable than traditionally fabricated railings. Additionally, the steel used in Kee Klamp fittings has been tested for wear resistance to ensure that their performance lasts through years of use.

In terms of maintenance, Kee Klamp fittings require significantly less upkeep than fabricated railings. This is due to their ability to be quickly installed using just an Allen key and hand tightening - with no welding or drilling required. This makes them easier to clean and maintain, saving time and effort over traditional methods like welding.

Overall, Kee Klamp fittings offer superior durability and longevity compared to traditional railing fabrication methods, as well as easier maintenance requirements without compromising on safety standards. Contractors and construction companies can benefit from this technology to reduce time needed for production or shipping while also saving money on long-term costs associated with maintaining fabricated rail systems.



The Easier Repair Benefits of Kee Klamp

Repairs to a fabricated railing system are much more costly and time-consuming than Kee Klamp repairs, which can be done quickly with an electric or battery powered drill motor and saw. Certified welders, who charge around \$125/hour, often work in teams of two for fabricated repairs. Kee Klamp systems thus offer a much more cost effective repair solution.

Eliminating Welding Permits: Saving Time and Money with Kee Klamp

Welding permits can be costly and time-consuming to obtain, but with Kee Klamp fittings, welding is not required. A study by the American Welding Society found that the cost of **obtaining permits can range from \$500 to \$5,000**, depending on the location and scope of the project. Kee Klamp fittings, on the other hand, are designed to be connected without the need for welding, eliminating the need for permits and the associated costs and delays.

Kee Klamp fittings are an economical alternative to traditional welding and greatly reduce labor costs. Fabrication of railings typically requires the use of specialized tools, which can be costly and time-consuming to obtain and operate. In contrast, Kee Klamp fittings require only a few common hand tools for installation, **reducing labor costs by as much as 80%**.

Using Kee Klamp fittings eliminates the need for welding permits, saving time, money and hassle in the long run.



Save between

\$500-\$5,000

on permit costs



Save up to

80%

on labor costs



Simplify Installation

Reduce errors and minimize the impact of **environmental conditions**.

Reducing Environmental Impact in Safety Systems

Kee Klamp fittings are a much more sustainable and environmentally friendly option than fabricated railings when it comes to material and installation requirements. The fittings are comprised of galvanized steel, which is highly durable and can be recycled if needed. Not only that, but the use of Kee Klamp fittings reduces the amount of waste generated during install which helps keep our planet clean.

Kee Klamp fittings not only provide sustainability benefits, but also offer other practical advantages. They can be installed quickly and efficiently with common hand tools and easy-to-follow instructions, often resulting in minimal labor costs. This makes them an attractive option for those looking to reduce their environmental impact.



Kee Klamp fittings produce up to

40%

fewer emissions during production compared to traditional railings.



Kee Klamp fittings use up to

50%

less material than other methods, leading to a reduced carbon footprint.*



Kee Klamp fittings generate

LESS WASTE

during installation than fabricated railings which typically require cutting and welding of materials

* Kee Klamp fittings are designed to be extremely efficient in terms of material usage. The fittings are made of galvanized steel, which is a strong and durable material, and do not require additional components such as welding or specialized tools. In addition, Kee Klamp fittings are designed to be reusable, which means that they can be used in multiple projects, reducing the need to purchase new materials for each project. The fittings can also be easily adjusted or modified to fit different railing configurations, which means that less material is required to complete a project.

Railings and Regulatory Requirements:

Comparing Kee Klamp to Fabricated Systems

Kee Klamp fittings provide a reliable and compliant solution for meeting OSHA, IBC, and ADA requirements for railings



Kee Klamp Fittings

Meets all codes and regulations set by OSHA, IBC, and ADA

Uses cut point set screws with tested slip ratings of 2000 lbs. on galvanized and 1700 lbs. on aluminum

Has a 2:1 safety rating per screw with a proper torque rating of 29ft/lbs

Easy to install with minimal tools and no welding required, reducing the chances of errors during installation

Durable and corrosion-resistant, making them suitable for both indoor and outdoor applications



Fabricated Systems

Welded systems have many variables that can lead to errors during fabrication such as environmental factors, type of rod used, and the "human factor"

Often require specialized welders and equipment, increasing the cost and time associated with installation

May not meet all codes and regulations set by OSHA, increasing the risk of non-compliance and potential fines

Can be more prone to wear and tear and require more maintenance over time

Not as easy to modify or reconfigure, making them less versatile in terms of design and functionality.

Why Kee Klamp Fittings are so Resilient to Rust: Unbeatable Protection Compared to Fabricated Railings



Kee Klamp

- Utilizes hot-dipped galvanized steel, providing superior corrosion resistance and a longer lifespan compared to traditional fabrication materials such as black schedule 40 pipe.
- Offers an additional layer of protection with powder coating over the galvanized layer, further minimizing the risk of rust.



Fabricated Systems

- Welding of galvanized pipe is not recommended due to noxious fumes, leading to the use of black schedule 40 pipe as the primary material.
- Spray-on galvanizing is often used as a substitute, but does not provide the same level of protection and durability as hot-dipped galvanizing. As a result, fabricated systems are more prone to rust and corrosion, leading to a shorter lifespan and increased maintenance costs.



Kee Klamp: Unsurpassed Quality.

Unlock the Benefits of Kee Klamp
for Your Next Railing Project



Superior Safety, Durability and Efficiency with Kee Klamp Fittings

Kee Klamp fittings offer superior safety, durability, efficiency and cost-effectiveness compared to traditional fabricated railings. Installation is simple and requires minimal technical knowledge, creating a secure structure with heavy-duty material construction and galvanized steel that is highly resistant to rust. On site modifications can be made without welding, saving time on projects.

Labor costs are reduced due to easy installation, fewer materials needed and quick adjustment abilities. Kee Klamp also provides cost savings through its durable, reusable design and logistical advantages including reduced storage and transport space requirements. Maintenance costs are minimal due to corrosion resistance, offering long term savings. There's no better choice than Kee Klamp for any railing project.

Kee Klamp is perfect for all sizes of project thanks to its superior safety and durability, while fast installation saves time and effort. Its cost-saving features include minimal maintenance costs, attractive material costs and reduced logistical needs - making it an unbeatable solution when it comes to railing projects. Invest in Kee Klamp today to unlock these great benefits!



SEPARATING PEOPLE FROM HAZARDS

Safety At The Highest Level

Kee Safety is a leading manufacturer of fall prevention and safety equipment with a global focus on separating people from hazards.

Since its founding in 1934, Kee Safety has a long history of building solid partnerships, providing top-notch customer service, and pioneering innovative product development. You already know Kee Safety as your trustworthy material supplier; therefore, we ask that you also think of us as your business partner, totally dedicated to the success of your company.

