



Ring Lock Scaffold

BILJAX[®]
Haulotte 
GROUP

THE BEST SYSTEM ON THE MARKET



Engineered for versatility, durability and strength, BilJax Ring Lock Scaffold is a universal application system with professional performance. Ideal for use on structures with complicated shapes, plans and elevations, it's the perfect choice when angular flexibility is important.

Ring Lock Scaffold is cost effective and outperforms the competition. You can read more about the product's features and benefits. You'll also find additional information on our web site: www.biljax.com, or just give us a call at 800-537-0540 to find out how Ring Lock Scaffold can take your productivity to new heights.



Ring Lock makes it easy to scaffold even the most difficult structures.

EXPERIENCE FOR THE FUTURE

Since our beginning in 1947, BilJax has earned a reputation for developing and producing the highest quality, most innovative scaffold systems available. Today, our line of 6,000 different finished parts makes us one of the premier scaffold manufacturers in North America and Europe.

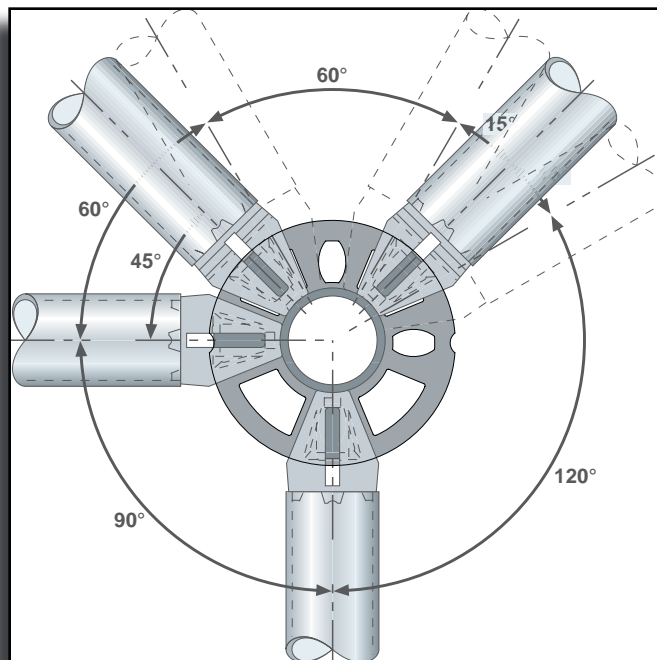
To maximize the practical application of our products, BilJax conducts intensive research and works in close cooperation with designers, craftsmen and scaffold erectors. We also use finite element analysis (FEA) and computer-controlled manufacturing processes to optimize safety, longevity and economy, and to ensure our systems are user friendly.

BUILD YOUR REPUTATION WITH US

Quality ranks first at BilJax in materials, price, performance, production, capacity, delivery and service. In fact, BilJax has achieved accreditation to meet stringent ISO 9001 quality standards.

Beyond quality, you also get value-added benefits like safety training, engineering expertise and responsive customer service. In addition, our efficient systems are engineered with fewer parts to reduce set-up and dismantling time. Bottom line? Your Operation is more productive and more profitable.

At the heart of the Ring Lock Scaffold is our rosette joint design. This unique plate has eight openings that allow up to eight horizontals and diagonals to be connected to each rosette. As a result, Ring Lock scaffold offers incredible adaptability to meet the requirements of varied building elevations and plans.



THE ADVANTAGE OF “AUTOMATIC ANGLES”

The Ring Lock rosette joint is engineered with eight holes so that members connect quickly and easily at “automatic angles.”

When Ring Lock scaffold is being used on an uncomplicated, “normal” structure, scaffold horizontals connect to the rosette at 90° angles to ensure intersecting right angles. However, the joint also has four elongated holes that allow members to be connected at any angle between 30° and 60°.

That means Ring Lock scaffold offers virtually unlimited angular adjustment and design, making it ideal for triangular, polygonal, and curved scaffold designs.

However, the advantages of this special rosette joint don’t end there. Here are other ways the BilJax system outperforms other conventional designs:

- Using finite element analysis (FEA), the size and material strength of the modular rosette have been optimized for the applied loads.
- The simple, easy-to-use design enhances safety during erection and use.
- Strong, secure connections ensure joint stability.

BETTER PERFORMANCE, FEWER PARTS



Ring Lock scaffold is engineered to be safer to erect and safer to use. How? By simplifying the system and maximizing the performance of each individual component. As a result, BilJax Ring Lock Scaffold provides numerous advantages.

MANAGEABLE COMPONENTS

- Only four basic parts: high-quality prefabricated verticals, starters, horizontals, and diagonals.
- Flexible assembly can accommodate virtually every height, length, width, and combination of angles.
- Rugged components are engineered for fast, safe assembly and long-term use.

SAFE CONNECTIONS

- Load-optimized rosette accepts up to eight connections in one plane.
- Drop the wedge in position and rosette immediately secures the horizontals to vertical.

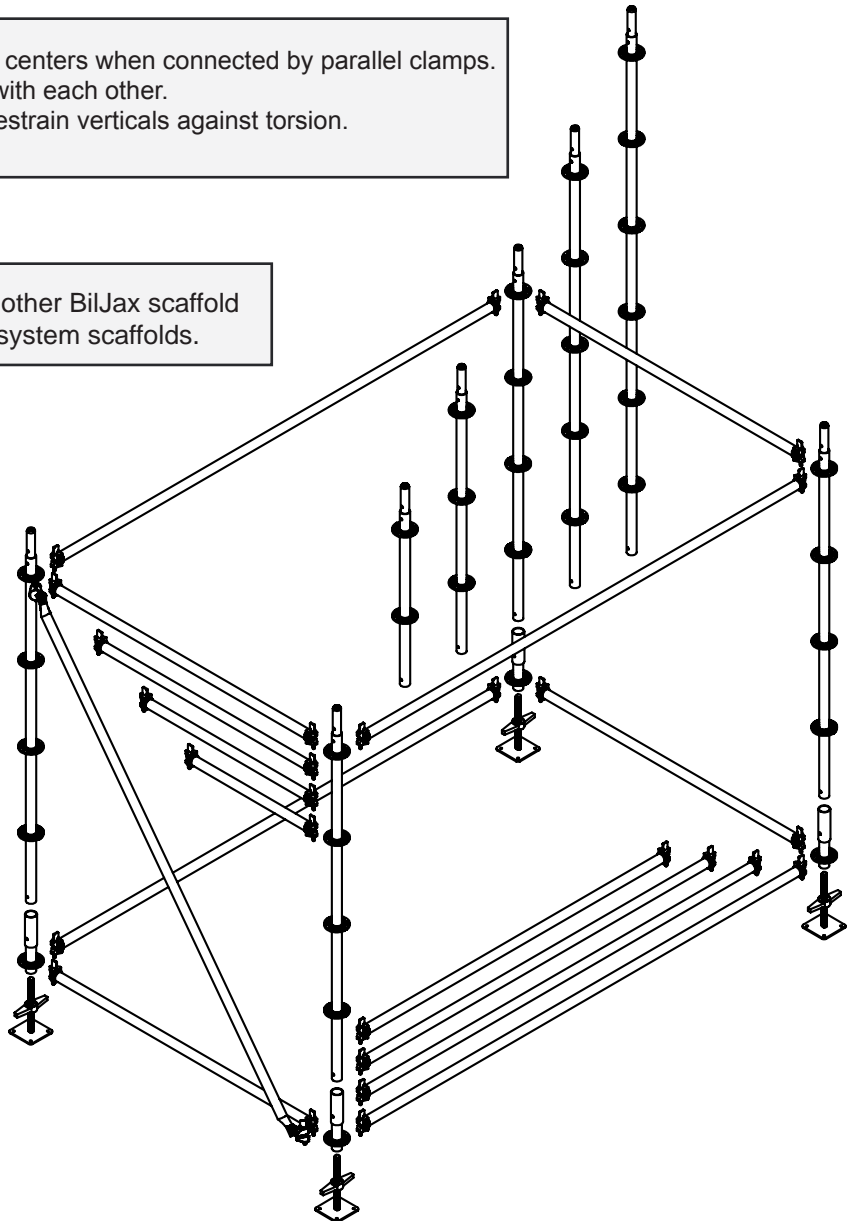
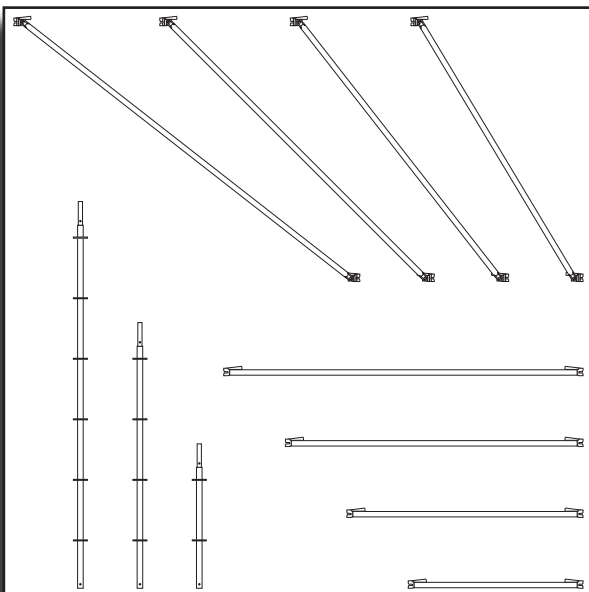
CLOSE NEIGHBORING

- Rosette permits neighboring at tighter centers when connected by parallel clamps.
- Ensures verticals automatically align with each other.
- Provides an easier and safer way to restrain verticals against torsion.
- Allows quicker handling.

COMPATIBILITY PLUS

Ring Lock scaffold is compatible with other BilJax scaffold products and most other "all around" system scaffolds.

The flexible nature of the Ring Lock scaffold allows a wide variety of vertical and horizontal positioning. Vertical positioning is varied by selecting one of the many available feet/ inch and metric length horizontals. Horizontal positioning is varied by utilizing any of the available rosettes, positioned every .5m (19 3/8")



Ring Lock scaffold eliminates the typical time-consuming layout procedures. Assembly is quick and accurate because the rosette hole patterns ensure that right angles are precisely aligned.

INSTALLATION

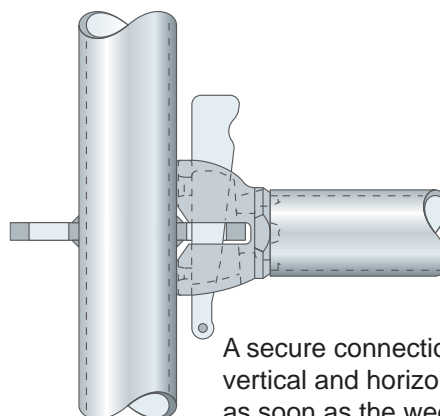
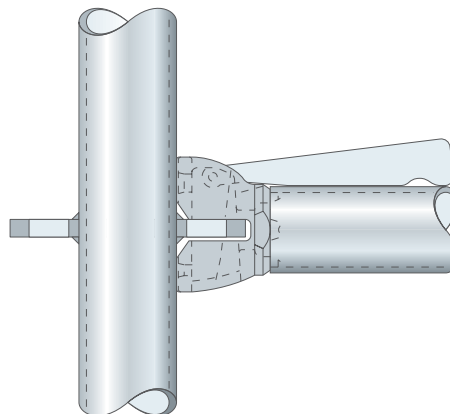
- The base begins with a single rosette starter. Horizontals are connected to the rosette. Alignment is automatically achieved when the horizontal wedge is tapped by a hammer.
- Once the base created by the starters and first lift of horizontals is complete and level, additional lifts are created by inserting verticals into the sockets provided by the starters.
- A total of seven different vertical heights are available. Our three basic verticals include lengths of 1m (3'3"), 2m (6'6"), and 3m (9'9"). Rosettes are spaced at .5m (19 3/8") intervals along the vertical's height.
- Up to eight horizontals and diagonals can be connected at any single point.
- Verticals, horizontals and diagonals are all secured before scaffold planks are added. Scaffold planks are available in a wide variety of imperial and metric lengths.
- Vertical diagonals carry wind loads and stabilizing forces to the support points.
- Diagonals are available in commonly used lengths. They connect to the verticals using elongated holes in the rosette.

Connections between horizontals, verticals and diagonals are also designed for speedy erection:

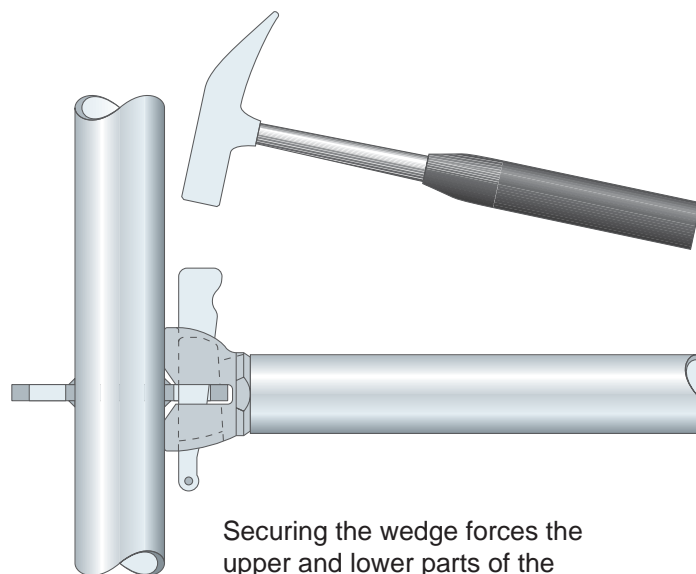
- Ring lock horizontals and diagonals are fitted with a wedge housing that is pushed over the rosette. During erection, the wedge is positioned parallel to the horizontal. A rivet at the tip of the wedge secures it within the housing.

- The horizontal is held securely as soon as the wedge is in place. In fact, the wedge creates a tight connection between the rosette, horizontal and vertical, even without the use of a hammer.

- Tapping the wedge with a hammer creates a secure connection by forcing the upper and lower parts of the wedge housing against the vertical.



A secure connection between the vertical and horizontal is formed as soon as the wedge is positioned through the rosette.



Securing the wedge forces the upper and lower parts of the wedge housing against the standard.



At BilJax, our state-of-the-art technology and design capabilities ensure compliance with standards required by today's U.S. and European scaffold industries. Our expertise extends from materials and testing to site controls and more, which is why the Ring Lock scaffold system can be used universally for all access applications.

EXCEPTIONAL QUALITY CONTROL

Outstanding performance and quality are inherent characteristics of every Ring Lock scaffold system. Connection heads are precision-cast components. Rosettes are stamped from high quality steel.

PRACTICAL, SUPERIOR DESIGN

The Ring Lock scaffold system offers enhanced production and improved assembly precision. These practical improvements boost safety margins and demonstrate our commitment to pro-actively develop new products and solutions to help advance the global scaffold industry.

TECHNICAL SERVICE AND EXPERTISE

Our experienced technical staff can provide you with specific calculations for facade, interior, and load bearing scaffold. So when you have particularly demanding tasks, we'll help you find the most technically advanced cost-effective solutions.



With its flexible modular units and unlimited angular capabilities, the Ring Lock scaffold system makes it easy to scaffold a variety of complex building plans and elevations. In other words, it's the go-to scaffold system for all applications in any type of industry.

- Construction
- Maintenance
- Energy production
- Overhead cabling
- Chemical plants
- Refineries
- Aircraft
- Shipyards
- Most building trades



Scaffold for complicated structures like this pit head lift tower doesn't have to be complex. In fact, the Ring Lock system is engineered with only four basic components, so assembly is simple and quick.





Other Offerings from BilJax by Haulotte Group

