

# VERTICAL PLATE CLAMP



Rang 1 – 10 Ton

A vertical plate clamp is a lifting device designed for securely gripping and lifting vertical plates or sheets of material. These clamps are commonly used in industrial settings for tasks such as lifting steel plates, sheets of metal, or other heavy materials. They provide a safe and efficient way to handle vertical loads. Here are some key features and considerations related to vertical plate clamps:

## 1.Design:

1. **Clamping Mechanism:** Vertical plate clamps typically have a clamping mechanism that securely grips the edge or surface of a vertical plate.
2. **Jaw Configuration:** The jaws of the clamp are designed to provide a strong and stable grip on the material being lifted.

## 2.Construction:

1. **Material:** Vertical plate clamps are often constructed from durable materials such as steel to withstand heavy loads and ensure longevity.
2. **Coating:** Some clamps may have coatings or treatments to provide corrosion resistance and protect the material being lifted.

## 3.Load Capacity:

1. **Rated Capacity:** Vertical plate clamps are designed with specific load capacities. It's essential to choose a clamp with a capacity suitable for the weight of the material being lifted.

## 4.Usage:

1. **Vertical Lifting:** These clamps are specifically designed for lifting materials in a vertical orientation. They are not intended for horizontal lifting applications.

## 5.Safety Features:

1. **Locking Mechanism:** Many vertical plate clamps have a locking mechanism that ensures the clamp remains securely engaged during lifting.
2. **Safety Latch:** A safety latch or similar feature may be present to prevent accidental release of the material.

## 6.Adjustability:

1. **Adjustable Jaw Opening:** Some clamps have an adjustable jaw opening, allowing them to accommodate a range of plate thicknesses.

## 7.Application:

1. **Industrial Use:** Vertical plate clamps are commonly used in industries such as manufacturing, construction, shipbuilding, and steel fabrication.

## 8.Usage Guidelines:

1. **Proper Alignment:** The clamp should be properly aligned with the center of gravity of the load to ensure stability during lifting.
2. **Inspection:** Regular inspection of the clamp is necessary to identify any signs of wear, damage, or malfunction.

## 9.Compliance:

1. **Regulatory Compliance:** Ensure that the vertical plate clamp complies with relevant safety and lifting regulations in your region.

Vertical plate clamps are valuable tools for lifting and handling heavy materials, providing a reliable and efficient solution for tasks involving vertical loads. As with any lifting equipment, it's crucial to follow manufacturer guidelines, safety protocols, and industry standards to ensure

# HORIZONTAL PLATE CLAMP



Rang 1 – 10 Ton

A horizontal plate clamp, also known as a horizontal lifting clamp, is a device designed for securely gripping and lifting horizontal plates or sheets of material. These clamps are commonly used in industrial settings for tasks such as transporting and positioning steel plates, sheets of metal, or other heavy materials in a horizontal orientation. Here are key features and considerations related to horizontal plate clamps:

## 1.Design:

1. **Clamping Mechanism:** Horizontal plate clamps typically have a clamping mechanism that securely grips the edge or surface of a horizontal plate.
2. **Jaw Configuration:** The jaws of the clamp are designed to provide a strong and stable grip on the material being lifted.

## 2.Construction:

1. **Material:** Horizontal plate clamps are often constructed from durable materials such as steel to withstand heavy loads and ensure longevity.
2. **Coating:** Some clamps may have coatings or treatments to provide corrosion resistance and protect the material being lifted.

## 3.Load Capacity:

1. **Rated Capacity:** Horizontal plate clamps are designed with specific load capacities. It's essential to choose a clamp with a capacity suitable for the weight of the material being lifted.

## 4.Usage:

1. **Horizontal Lifting:** These clamps are specifically designed for lifting materials in a horizontal orientation. They are not intended for vertical lifting applications.

## 5.Safety Features:

1. **Locking Mechanism:** Many horizontal plate clamps have a locking mechanism that ensures the clamp remains securely engaged during lifting.
2. **Safety Latch:** A safety latch or similar feature may be present to prevent accidental release of the material.

## 6.Adjustability:

1. **Adjustable Jaw Opening:** Some clamps have an adjustable jaw opening, allowing them to accommodate a range of plate thicknesses.

## 7.Application:

1. **Industrial Use:** Horizontal plate clamps are commonly used in industries such as manufacturing, construction, shipbuilding, and steel fabrication for handling and transporting horizontal loads.

## 8.Usage Guidelines:

1. **Proper Alignment:** The clamp should be properly aligned with the center of gravity of the load to ensure stability during lifting.
2. **Inspection:** Regular inspection of the clamp is necessary to identify any signs of wear, damage, or malfunction.

## 9.Compliance:

1. **Regulatory Compliance:** Ensure that the horizontal plate clamp complies with relevant safety and lifting regulations in your region.

Horizontal plate clamps are valuable tools for lifting and handling heavy materials in a horizontal orientation. As with any lifting equipment, it's crucial

# UNIVERSAL PLATE CLAMP



Rang 1- 10 Ton

A universal plate clamp is a lifting device designed to handle various types of loads, including both vertical and horizontal lifting applications. It provides a versatile solution for lifting plates, sheets, or other materials in different orientations. Here are some key features and considerations related to universal plate clamps:

## 1. Versatility:

1. **Dual Functionality:** Universal plate clamps are designed to perform both vertical and horizontal lifting. This makes them suitable for a wide range of applications where loads may need to be lifted in different orientations.

## 2. Design:

1. **Clamping Mechanism:** The clamp typically has a versatile clamping mechanism that can securely grip both horizontal and vertical surfaces of a plate.
2. **Jaw Configuration:** The jaws are designed to provide a strong and stable grip on the material being lifted.

## 3. Construction:

1. **Material:** Universal plate clamps are often constructed from durable materials such as steel to withstand heavy loads.
2. **Coating:** Some clamps may have coatings or treatments to provide corrosion resistance and protect the material being lifted.

## 4. Load Capacity:

1. **Rated Capacity:** Universal plate clamps are designed with specific load capacities, taking into account both vertical and horizontal lifting scenarios.

## 5. Safety Features:

1. **Locking Mechanism:** Many universal plate clamps have a locking mechanism that ensures the clamp remains securely engaged during lifting.
2. **Safety Latch:** A safety latch or similar feature may be present to prevent accidental release of the material.

## 6. Adjustability:

1. **Adjustable Jaw Opening:** Some clamps have an adjustable jaw opening, allowing them to accommodate a range of plate thicknesses.

## 7. Application:

1. **Industrial Use:** Universal plate clamps are commonly used in industries such as manufacturing, construction, shipbuilding, and steel fabrication for handling and transporting loads in both horizontal and vertical orientations.

## 8. Usage Guidelines:

1. **Proper Alignment:** The clamp should be properly aligned with the center of gravity of the load to ensure stability during lifting.
2. **Inspection:** Regular inspection of the clamp is necessary to identify any signs of wear, damage, or malfunction.

## 9. Compliance:

1. **Regulatory Compliance:** Ensure that the universal plate clamp complies with relevant safety and lifting regulations in your region.

Universal plate clamps provide flexibility and efficiency in handling various loads. As with any lifting equipment, it's crucial to follow manufacturer guidelines, safety protocols, and industry standards to ensure safe and effective use. Additionally, operators should be trained in the proper use of the universal plate clamp to minimize the risk of accidents during lifting operations.

# PIPE CLAMP



A pipe clamp is a type of fastening device designed to secure and support pipes or tubes. It is commonly used in construction, plumbing, and various industrial applications where pipes need to be securely attached to structures or other pipes. Pipe clamps come in different designs and styles to accommodate various pipe sizes and mounting requirements. Here are some key features and considerations related to pipe clamps:

## 1.Design:

1. **Two-Piece Design:** Many pipe clamps have a two-piece design, consisting of a clamp and a threaded bolt or screw that tightens the clamp around the pipe.
2. **U-Shaped or Split Design:** The clamp is often U-shaped or split, allowing it to encircle the pipe.

## 2.Material and Coating:

1. **Material:** Pipe clamps are commonly made of materials like steel, stainless steel, or other durable alloys.
2. **Coating:** Some pipe clamps have coatings or treatments to provide corrosion resistance, especially in applications where exposure to moisture is a concern.

## 3.Mounting Options:

1. **Mounting Surfaces:** Pipe clamps can be mounted on various surfaces, including walls, ceilings, floors, or other structural elements.
2. **Types of Mounting:** Mounting options include weld plates, threaded holes, or channel mounts, depending on the specific design.

## 4.Adjustability:

1. **Adjustable Width:** Some pipe clamps have an adjustable width or diameter, allowing them to accommodate pipes of different sizes.
2. **Threaded Bolt:** The threaded bolt or screw is used to adjust the clamp's diameter to fit the specific pipe size.

## 5.Vibration Damping:

1. **Rubber Lining:** In some applications, pipe clamps may have a rubber lining or cushion to dampen vibrations and reduce noise.

## 6.Application:

1. **Support and Fastening:** Pipe clamps are used to support and fasten pipes to various surfaces, preventing sagging or movement.
2. **Piping Systems:** They are commonly used in plumbing and industrial piping systems.

## 7.Specialized Types:

1. **Cushion Clamps:** These have a cushioned lining to provide extra protection against vibration and shock.
2. **Split Clamps:** Designed to be easily installed around existing pipes without the need to disassemble the entire system.

## 8.Installation:

1. **Ease of Installation:** Pipe clamps are generally designed for easy installation using basic hand tools.

## 9.Usage Guidelines:

1. **Proper Tightening:** It's essential to properly tighten the clamp to ensure a secure grip on the pipe without damaging it.
2. **Proper Spacing:** Clamps should be spaced appropriately along the length of the pipe to provide adequate support.

## 10.Compliance:

1. **Regulatory Compliance:** Ensure that the pipe clamp complies with relevant standards and regulations, especially in applications where safety codes apply.

Pipe clamps play a crucial role in providing stability and support for pipes in various applications. When selecting a pipe clamp, it's important to consider factors such as pipe size, material compatibility, and the specific mounting requirements of the application. Following manufacturer guidelines and proper installation practices are essential for the safe and effective use of pipe clamps.



# BEAM CLAMP



A beam clamp is a device used to attach and secure lifting and rigging equipment to overhead beams or structural steel. It is a versatile tool commonly used in construction, manufacturing, and material handling applications where loads need to be lifted or moved in an elevated position. Here are key features and considerations related to beam clamps:

## 1.Attachment to Beams:

1. **Clamping Mechanism:** Beam clamps typically have a clamping mechanism that allows them to securely attach to the flange of an overhead beam or other structural members.
2. **Adjustability:** Many beam clamps are adjustable to accommodate different beam sizes and profiles.

## 2.Design:

1. **Fixed or Adjustable:** Beam clamps may come in fixed or adjustable designs. Adjustable clamps can be customized to fit a range of beam sizes.
2. **Type of Clamp:** Different types of beam clamps are available, including screw-clamp, push-clamp, and geared-trolley designs.

## 3.Load Capacity:

1. **Rated Capacity:** Beam clamps are designed with specific load capacities, indicating the maximum weight they can safely support.

## 4.Lifting and Rigging Attachment:

1. **Attachment Points:** Beam clamps provide attachment points for various lifting and rigging equipment, such as hoists, trolleys, or lifting slings.
2. **Integrated Eye:** Some beam clamps have an integrated eye or hook for easy connection to lifting devices.

## 5.Safety Features:

1. **Locking Mechanism:** Many beam clamps have a locking mechanism to secure the clamp to the beam and prevent accidental disengagement.
2. **Safety Latch:** A safety latch or similar feature may be present to prevent accidental release of the load.

## 6.Material and Construction:

1. **Material:** Beam clamps are often constructed from durable materials such as steel to ensure strength and durability.
2. **Coating:** Some clamps may have coatings or treatments to provide corrosion resistance.

## 7.Application:

1. **Industrial Use:** Beam clamps are widely used in industries such as construction, manufacturing, and material handling for tasks involving overhead lifting and rigging.

## 8.Installation:

1. **Ease of Installation:** Beam clamps are designed to be easily installed by clamping onto the beam without the need for welding or other permanent modifications to the structure.

## 9.Usage Guidelines:

1. **Proper Alignment:** Ensure that the beam clamp is properly aligned with the center of gravity of the load to ensure stability during lifting.
2. **Inspection:** Regular inspection of the beam clamp is necessary to identify any signs of wear, damage, or malfunction.

## 10.Compliance:

1. **Regulatory Compliance:** Ensure that the beam clamp complies with relevant safety and lifting regulations in your region.

Beam clamps are essential components of overhead lifting systems, providing a secure and efficient means of attaching lifting equipment to beams. It's crucial to follow manufacturer guidelines, safety protocols, and industry standards to ensure safe and effective use. Additionally, proper training for operators and routine inspections contribute to the safe operation of beam clamps in lifting applications.