

# GRYVOZE<sup>®</sup>

## ● LIFTING CLAMP USER MANUAL ●



Please read this user manual carefully before use and store it in a safe place for future reference.

## GRYVOZE LIFTING CLAMP TYPES DIAGRAM

Name	Model Number	Load Capacity	Opening Size	Functional Use
 <b>A Shaped Large Slab Lifting Clamp</b>	GSLC-A320	705 lbs (320 kg)	0 - 2.6 in (0 - 6.5 cm)	The lifting clamp is designed for use in factory lifting, road construction, and transportation. It can be used with mobile cranes and is particularly suitable for lifting and transporting large slab materials such as marble, granite, concrete slabs, hollow bricks, rectangular bricks, and steel plates.
	GSLC-A390	860 lbs (390 kg)	1.2 - 3.4 in (3 - 8.5 cm)	
	GSLC-600	1323 lbs (600 kg)	1.2 - 5.3 in (3 - 13.5 cm)	
 <b>X Shaped Lifting Clamp</b>	GSLC-X325	716 lbs (325 kg)	2.4 - 9.5 in (6 - 24 cm)	The lifting clamp is designed for use in factory lifting, road construction, and transportation. It can be used with mobile crane and suitable for most types of materials or stones, including marble, granite, concrete slabs, hollow bricks, and rectangular bricks.
	GSLC-X350	772 lbs (350 kg)	1.6 - 7.1 in (4 - 18 cm)	
	GSLC-X280	617 lbs (280 kg)	3.1 - 11.8 in (8 - 30 cm)	
 <b>X Shaped and Rod Shaped 2 in 1 Lifting Clamp</b>	GSLC-X325RM	716 lbs (325 kg)	2.4 - 9.5 in (6 - 24 cm)	The lifting clamp is designed for factory lifting, road construction, and transportation. It is compatible with mobile cranes and can also be used for two-person collaboration, making it suitable for handling various materials such as marble, granite, concrete slabs, hollow bricks, and rectangular bricks.
	GSLC-X350RM	772 lbs (350 kg)	1.6 - 7.1 in (4 - 18 cm)	
	GSLC-X280RM	617 lbs (280 kg)	3.1 - 11.8 in (8 - 30 cm)	
 <b>F Shaped Lifting Clamp</b>	GSLC-F325	716 lbs (325 kg)	4.7 - 14.2 in (12 - 36 cm)	The lifting clamp is designed for vertical lifting and transport of in factories and road construction. It works well with materials like marble, granite, concrete slabs, hollow bricks, and rectangular bricks, making it ideal for lifting large precast components.
	GSLC-F350	772 lbs (350 kg)	11.8 - 20.1 in (30 - 51 cm)	
	GSLC-F500	1100 lbs (500 kg)	13.0 - 27.6 in (33 - 70 cm)	
	GSLC-F600	1323 lbs (600 kg)	13.8 - 31.1 in (35 - 79 cm)	
	GSLC-F800	1763 lbs (800 kg)	14.2 - 35.5 in (36 - 90 cm)	
	GSLC-F1150	2535 lbs (1150 kg)	16.5 - 38.2 in (42 - 97 cm)	
	GSLC-F1200	2646 lbs (1200 kg)	16.5 - 42.5 in (42 - 108 cm)	
	GSLC-F1500	3306 lbs (1500 kg)	26.0 - 49.6 in (66 - 126 cm)	
	GSLC-F1800	3968 lbs (1800 kg)	29.5 - 55.1 in (75 - 140 cm)	
	GSLC-F1950	4299 lbs (1950kg)	33.5 - 59.1 in (85 - 150 cm)	

### ● Attention:

The above opening size refers to the dimension that allows the rubber anti-slip chuck to securely grip the material vertically, ensuring it remains safely clamped during lifting and transportation. In practical use, the opening size can be adjusted as needed based on the material type, load weight and shape, as well as the condition of the rubber anti-slip chuck.

## SAFETY TIPS BEFORE AND AFTER LIFTING

Before lifting, adjust the clamp opening to ensure the rubber non-slip pads grip the material securely and distribute pressure evenly on both sides. Confirm the clamp is properly engaged with stable, even contact points to prevent slipping or rubber chuck damage.

**Note:** After lifting the material, avoid excessive swinging or rotation, which may cause uneven force and lead to deformation or damage to the large F-shaped clamp. Also, prevent sudden impacts or strong vibrations to protect both the clamp and the material.

# USER SAFETY MANUAL

## 1. Pre-Operation Checks

Check the condition of the clamp: Before use, inspect all parts of the clamp, including bolts, fasteners, and clamping devices, to ensure there are no damaged, loose, or missing components.

Check the load capacity: Verify that the clamp's load capacity meets the requirements of the job to avoid overloading.

Clean the clamp: Ensure that the rubber anti-slip jaws of the clamp are clean and free from oil, grease, or other substances that could affect friction.

## 2. Operator Requirements

Properly trained: Operators must undergo professional training and be familiar with the correct use of the clamp, load limitations, and safe operation procedures.

Wear appropriate protective equipment: Operators should wear hard safety glasses to prevent accidents during operation.

## 3. Safety During Operation

Adhere to load limits: Ensure that the clamp's load does not exceed its maximum design capacity to prevent damage or failure due to overloading.

## 4. Lifting and Transporting

Use appropriate lifting equipment: When lifting materials, use suitable lifting equipment (such as cranes or forklifts) in conjunction with the clamp to ensure stable and safe lifting of the material.

Check lifting points: Ensure that the lifting points (such as hooks, slings, etc.) are securely connected and will not come loose or break, causing the material to fall.

Lift slowly: Lift the material slowly and avoid rapid or jerky movements that could damage the clamp or lifting equipment.

## 5. Post-Operation Inspection and Storage

Inspect the clamp: After the operation is completed, check the clamp for any damage or wear, ensuring that it is still functioning properly.

Store the clamp properly: When not in use, store the clamp in a dry, clean area to prevent exposure to excessive moisture, corrosion, or physical damage.

## 6. Regular Maintenance

Routine maintenance: Perform regular inspections and maintenance on the clamp, including cleaning, lubrication, and replacement of any damaged parts. Ensure that all bolts and fasteners are securely tightened.

Avoid long-term inactivity: If the clamp is not in use for an extended period, periodically check its condition to prevent damage or aging due to long-term disuse.

## 7. Avoid Unauthorized Modifications

Do not modify the clamp: Unauthorized changes or modifications to the design or structure of the clamp are prohibited, as they may affect its load capacity and safety.

## 8. Emergency Handling

In the event of a clamp failure or accident, immediately stop the operation, ensure personnel safety, and contact a professional for assistance.

### ● Attention:

Prolonged use of the lifting clamp can wear down the grooves on the rubber anti-slip chucks, reducing their grip strength and compromising the ability to secure the stone. For your safety, please replace the rubber anti-slip chucks as needed.

If a replacement is needed, the model for the rubber anti-slip chucks is ASMS-FX for the F-shaped and X-shaped lifting clamps, and ASMX-A for the A-shaped lifting clamp.



## F SHAPED LIFTING CLAMP



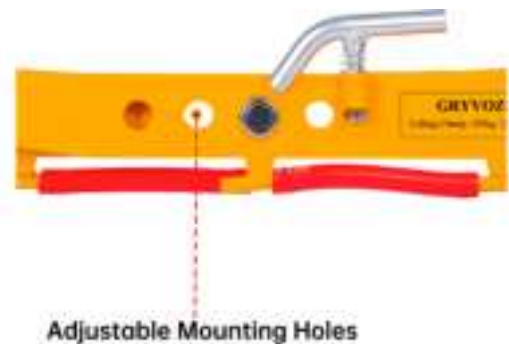
### 1 F Shaped Adjustable Lifting Chain

Removing the safety plug allows you to adjust the lifting chain length, while reinserting it secures the chain. The silver chain ring prevents slipping, offering dual protection during lifting operations and ensuring the stability and security of the chain.



### 2 F Shaped Adjustable Mounting Holes

The clamp features four adjustable mounting holes, allowing you to customize the jaw size for different stone dimensions. Use a wrench to loosen the nut, adjust the opening to the preferred size, and then tighten the nut to lock it in place.



## X SHAPED LIFTING CLAMP



### ● X Shaped Adjustable Mounting Holes

The clamp features two adjustable mounting holes, allowing you to adjust the opening size according to the material dimensions. Simply use a wrench to loosen the center nut, adjust the opening to the desired size, and then tighten the nut to secure it in place.





## X SHAPED 2 In 1 UPGRADED DESIGNED

If manual handling is required, you can remove the lifting ring above and connect the included manual rod (The 2 in 1 model has it, but the X model does not). The manual rod is 17.7 inches (45 cm ) long and features a thick seamless steel tube design, making it sturdy, durable, and resistant to deformation. The rubber handle is ergonomically designed for a more comfortable, slip-resistant grip, reducing hand pressure. Two-person collaboration makes hand



## A SHAPED LARGE SLAB LFTING CLAMP



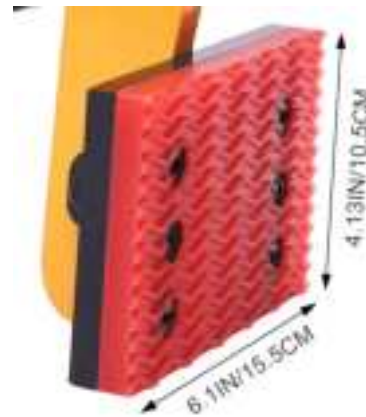
## 1 A Safe And Convenient Locking Device

The locking device keeps the fixture in the maximum open position, allowing for quick clamping of materials after manual release.



## 2 Larger Size Rubber Anti-Slip Chuck

The chuck size has been increased to 6.1 x 4.13 inches (15.5 cm x 10.5 cm), making it especially suitable for clamping large slab materials.



## MULTIPLE LIFTING CLAMPS COMBINED

Using multiple clamps together improves efficiency and control when lifting heavy, irregular stones, allowing for faster, more stable handling.

### 1 F Shaped Lifting Clamp



### 2 A Shaped X Shaped and Rod Shaped 2 in 1 Lifting Clamp

